

Коммутационные устройства

Технические характеристики

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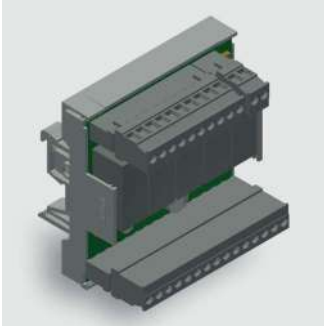
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Technical data sheet

Interface Technology · BASF Relay Module



Identification

Type	KRK-S5 VERS.4BASF
Part No.	716395

Product version

Datasheet version	01
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Description

Description	Customized relay module for separating the load and control circuit. The relays 1 –3 require an input voltage of DC 24 V. Relay 2 only switches for an impulse of approx. 270 ms. There is a commutator bridge circuit installed upstream of the safety miniature switching relay (relay 4). Optionally, the relays can be controlled with AC/DC 24 V.
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Input

Rated voltage U_N	Relay 1–3: DC 24 V Relay 4: AC/DC 24 V Relay 5: AC 230 V
Input voltage	Relay 1–3: DC 21.6 V – 26.4 V Relay 4: AC/DC 21,6 V – 26,4 V Relay 5: AC 217 V – 230 V
Status display input	Relay 1–3: LED green Relay 4: LED green Relay 5: LED orange
Activation voltage	Relay 1, 3: <15 V Relay 2: <7 V Relay 4: <15 V Relay 5: <117 V

Technical data sheet

Interface Technology · BASF Relay Module

Interrupting voltage	Relay 1, 3: >4.9 V Relay 4: >6.1 V Relay 5: >107 V
Leak current	>4 mA

Output

Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Max. switching current	10 A
Max. switching capacity	1250 VA / 75 – 200 W (see Load limit curve)
Contact material	AgNi
Switch-on delay	Relay 1: approx. 40 ms Relay 2: approx. 40 ms Relay 3: approx. 100 ms Relay 4: approx. 40 ms Relay 5: approx. 25 ms
Shutdown delay	Relay 1: approx. 125 ms Relay 3: approx. 580 ms Relay 4: approx. 110 ms Relay 5: approx. 30 ms

General

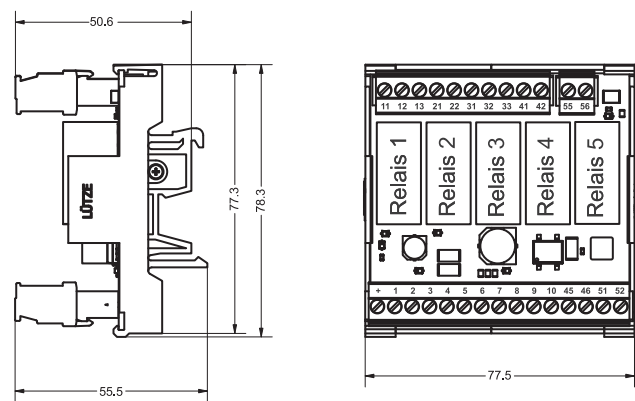
Degree of protection	IP20
Mounting	DIN rail mounting
Installation position	Any
Clearance/creepage dist. (control/ load side)	<8 mm
Rated insulation voltage (EN 50178)	DC 500V
High voltage	AC 4 kV
Connection type	Screw connection with tension sleeve 0,20 mm ² – 2,5 mm ² AWG 24 – AWG 12 Strip length: 7 mm torque 0.5 – 0.6 Nm
Dimensions (w × h × d)	77.5 mm × 78.3 mm × 55.5 mm
Weight/unit	0.27 kg

General ambient conditions

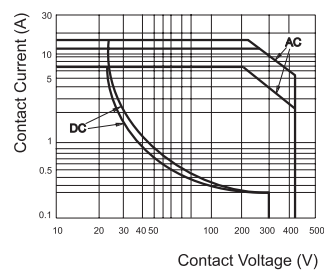
Operation temperature range	-40 °C ... +70 °C
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Certifications/Standards

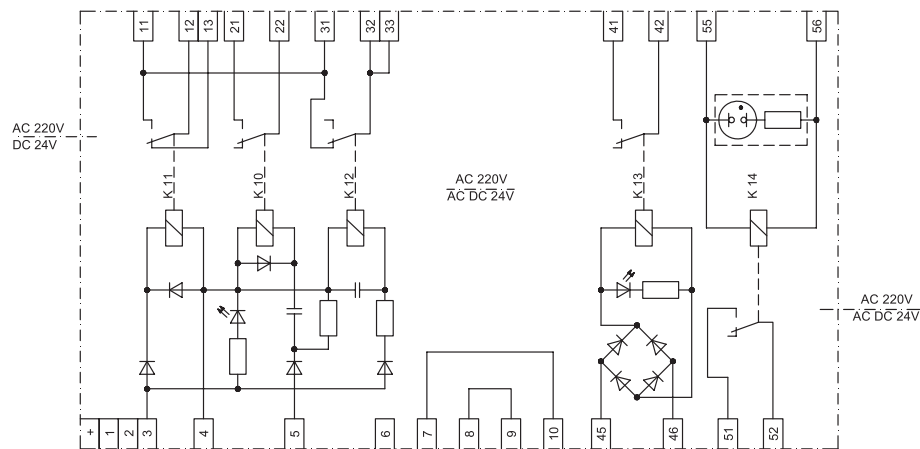
Dimensions



Load limit curve



Circuit diagram



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 changeover contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA12DC-S-1U
Part No.	760019.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 12 V
Input voltage range	9.6 V – 15 V
Rated current I_N	17.2 mA
Protection device Input	Varistor Reverse diode
Max. length of connecting lead	1000 m
Status display input	LED green
Interrupting voltage	<1.2 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	7 ms
Shutdown delay	13 ms
Max. length of connecting lead	1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

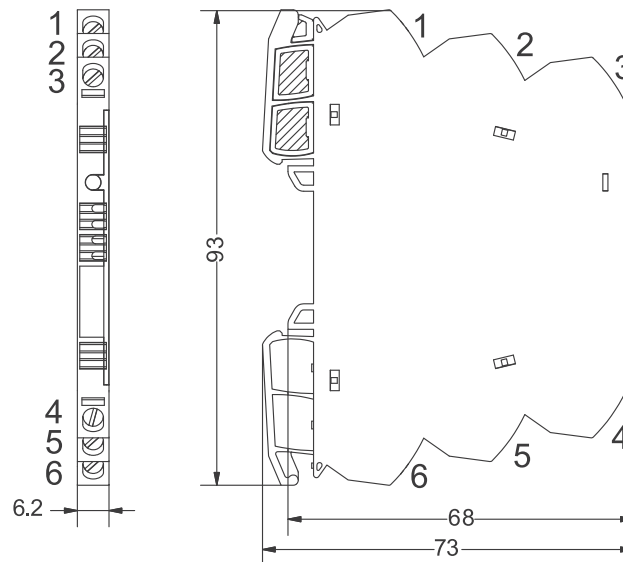
Technical data sheet

Interface Technology · LCIS Mechanical Relay

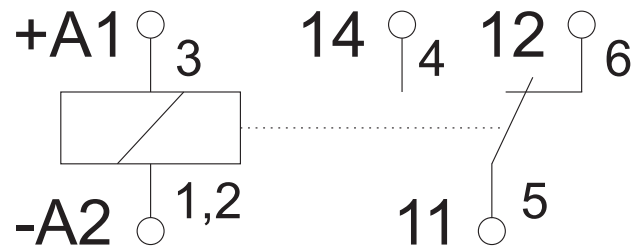
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

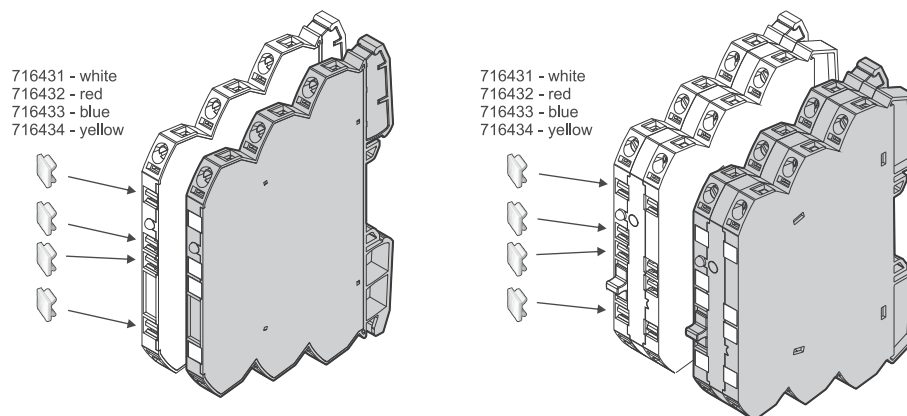
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS12DC-S-1U
Part No.	760019.1000

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	DC 12 V
Input voltage range	9.6 V – 15 V
Rated current I_N	17.2 mA
Protection device Input	Varistor Reverse diode
Max. length of connecting lead	1000 m
Status display input	LED green
Interrupting voltage	<1.2 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	7 ms
Shutdown delay	13 ms
Max. length of connecting lead	1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

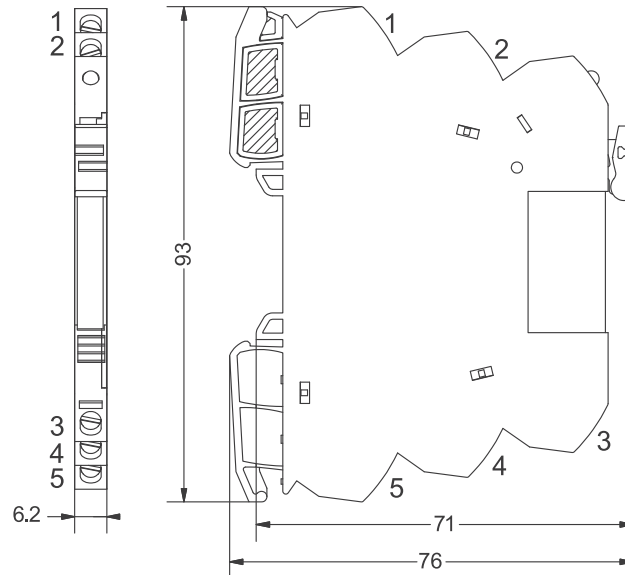
Technical data sheet

Interface Technology · LCIS Mechanical Relay

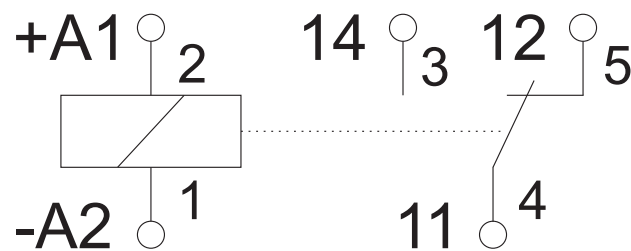
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

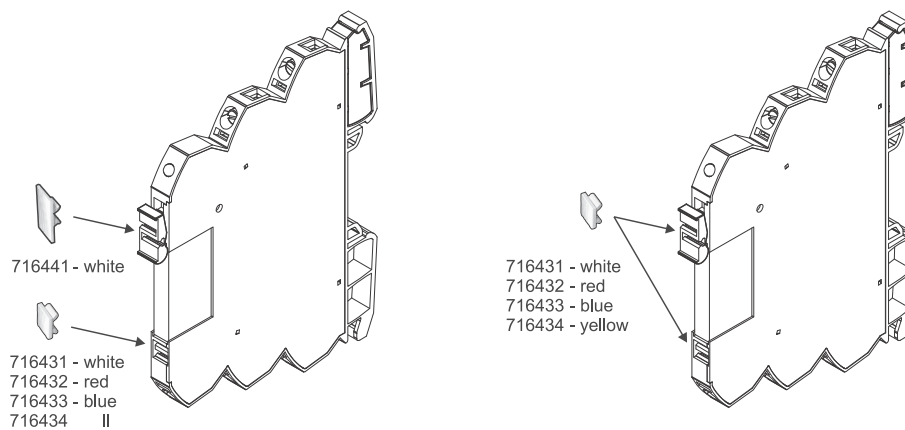
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA24DC-S-1U
Part No.	760020.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
EMC tests	Class B

Technical data sheet

Interface Technology · LCIS Mechanical Relay

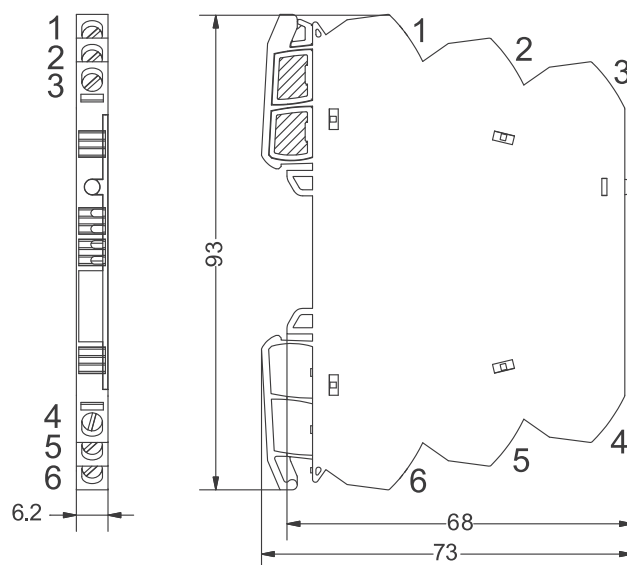
Certifications

cULus (E135145)
DNV (TAA000024Y)

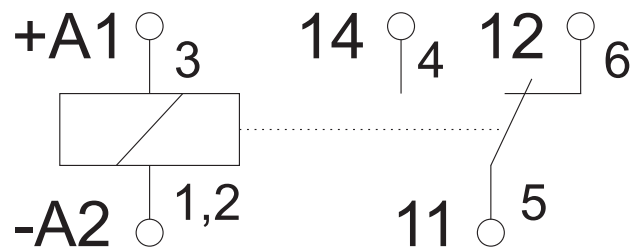
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

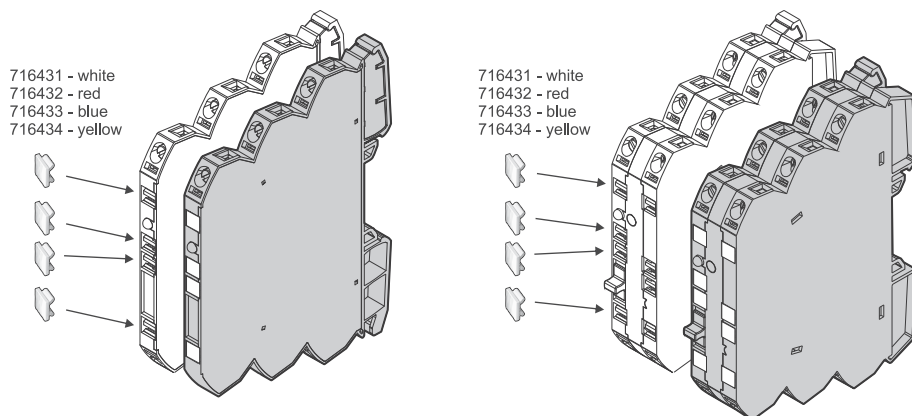
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA24DC-S-1U-HTV
Part No.	760020.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing

Technical data sheet

Interface Technology · LCIS Mechanical Relay

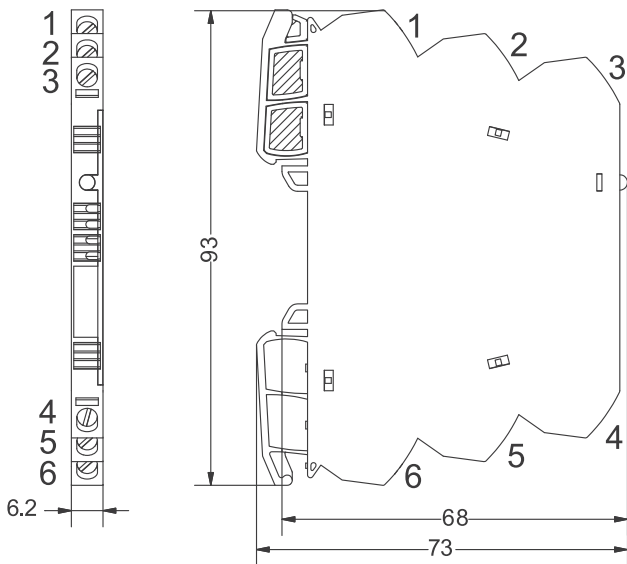
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

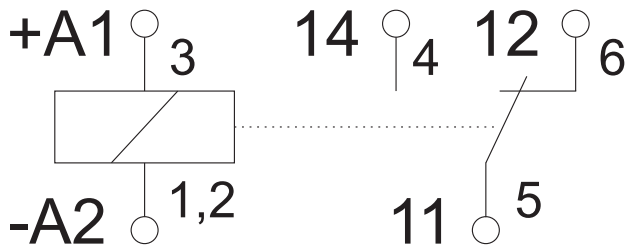
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



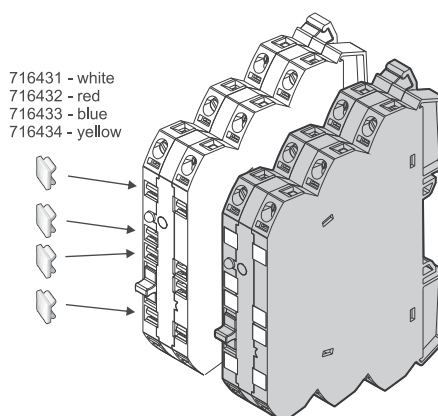
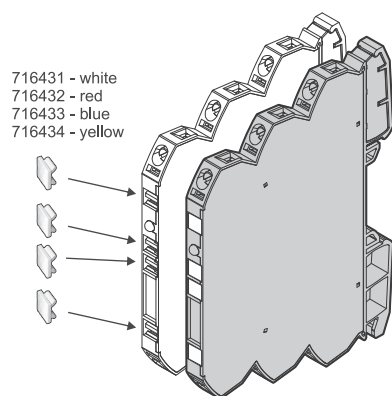
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS24DC-S-1U
Part No.	760020.1000

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	6 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

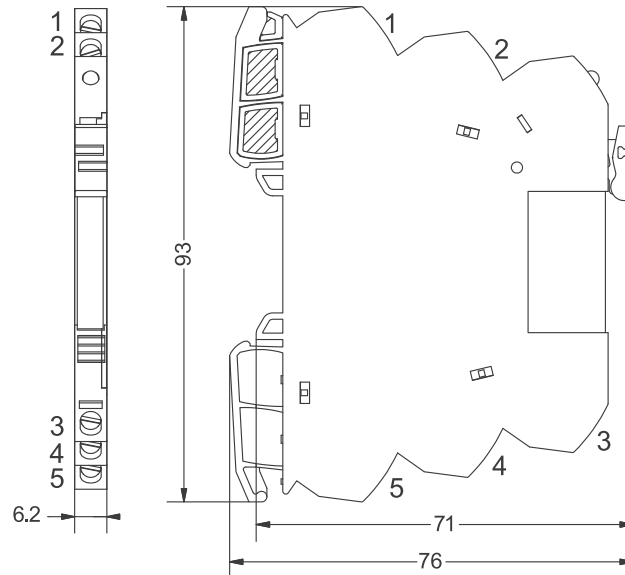
Technical data sheet

Interface Technology · LCIS Mechanical Relay

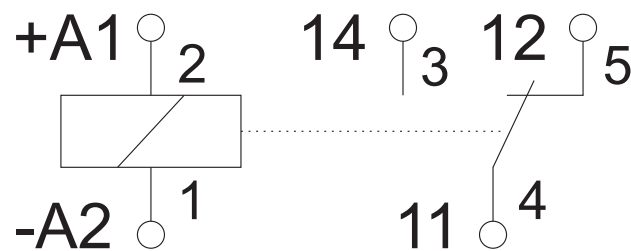
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

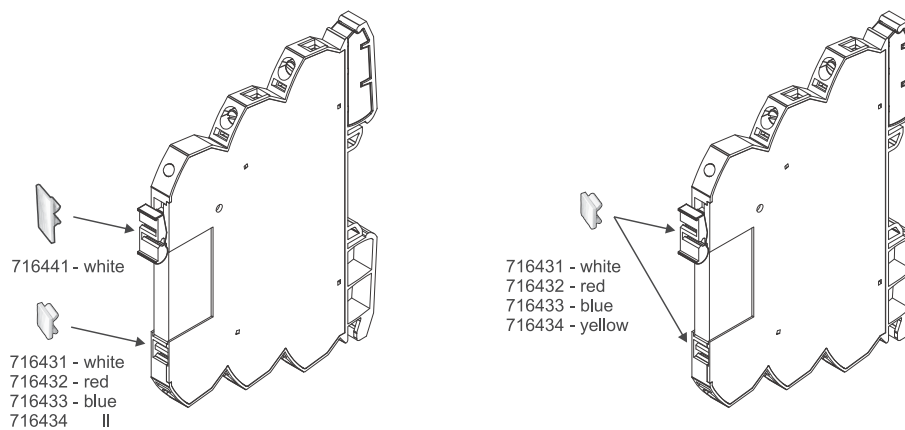
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS24DC-S-1U-HTV
Part No.	760020.1010

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

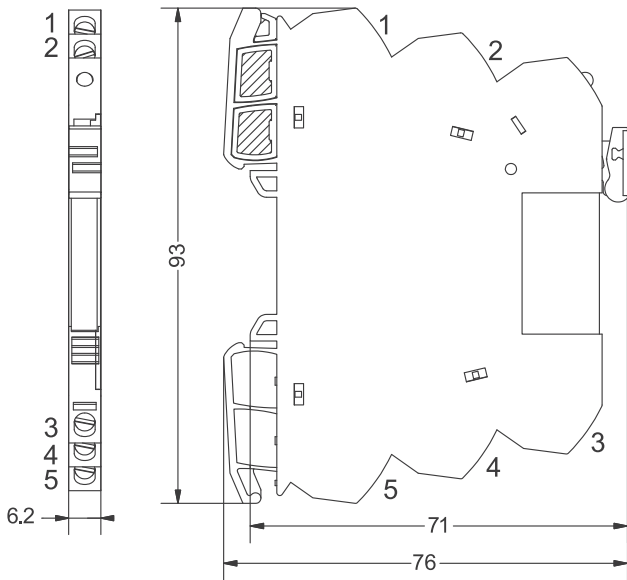
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

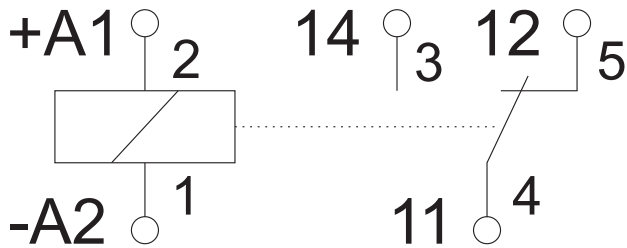
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



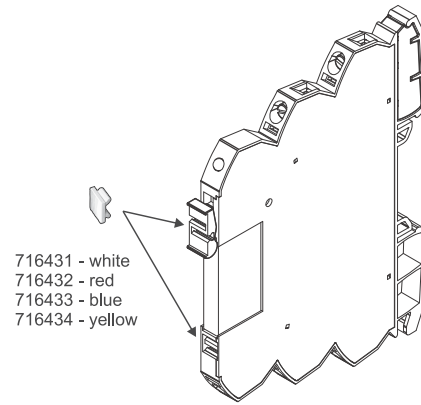
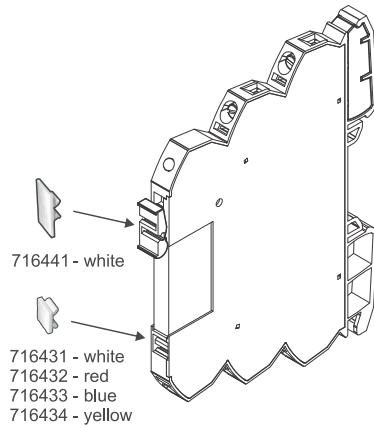
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA24UP-S-1U
Part No.	760021.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
EMC tests	Class B

Technical data sheet

Interface Technology · LCIS Mechanical Relay

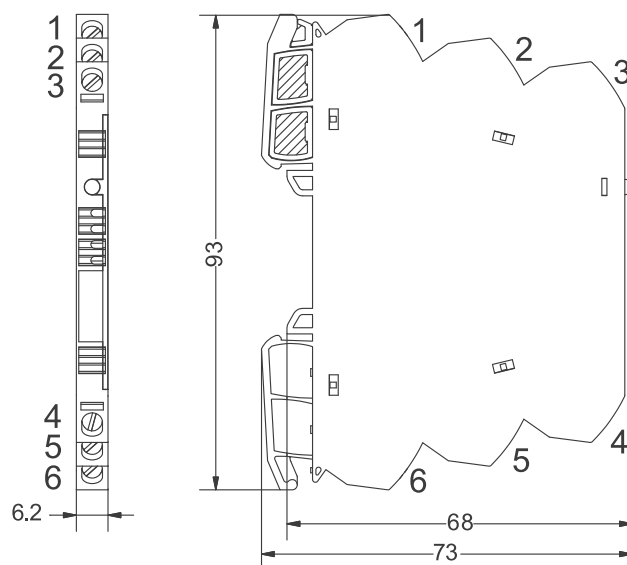
Certifications

cULus (E135145)
DNV (TAA000024Y)

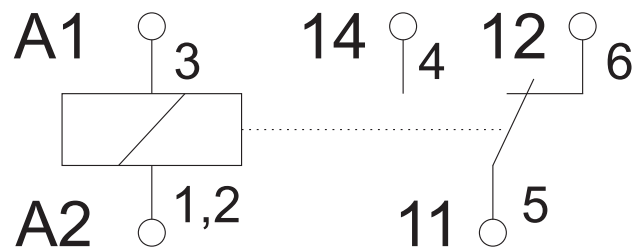
Standards

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EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

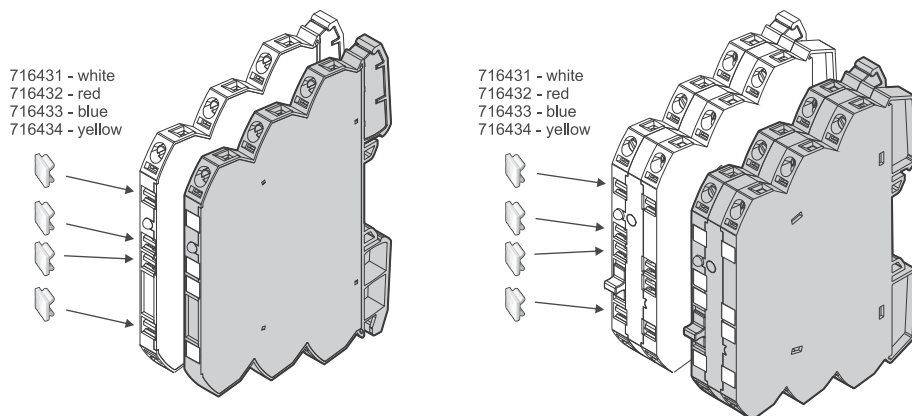
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA24UP-S-1U-HTV
Part No.	760021.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
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Technical data sheet

Interface Technology · LCIS Mechanical Relay

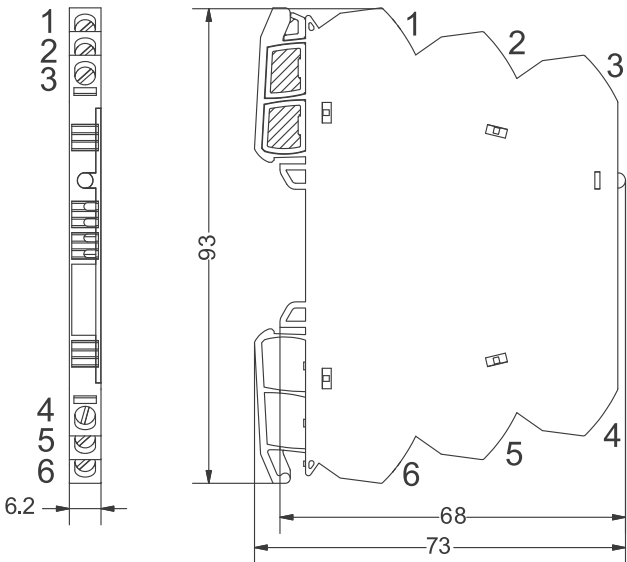
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

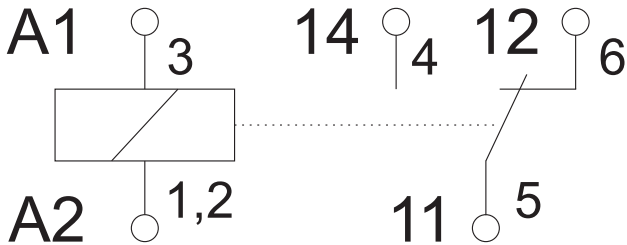
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



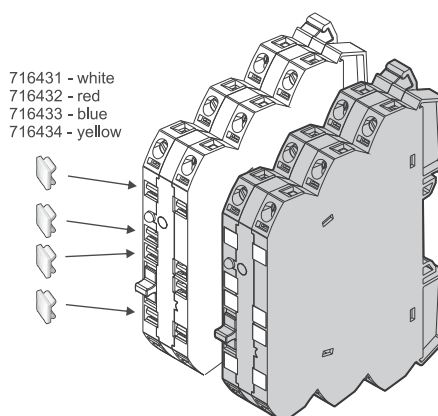
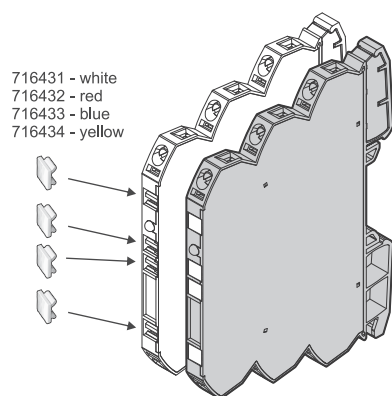
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS24UP-S-1U
Part No.	760021.1000

Product version

Datasheet version	03
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Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	AC: 10 ms, DC: 6 ms
Shutdown delay	AC: 10 ms, DC: 10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

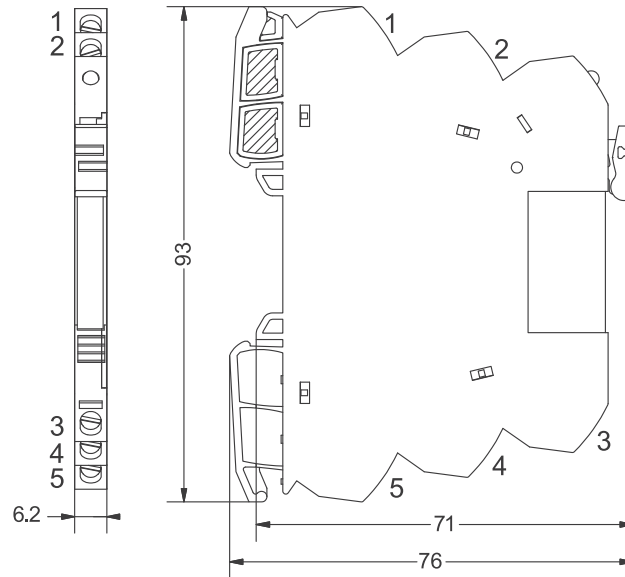
Technical data sheet

Interface Technology · LCIS Mechanical Relay

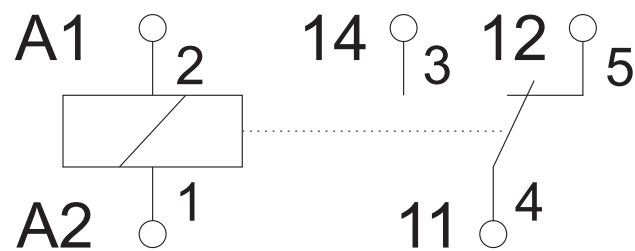
Standards

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EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

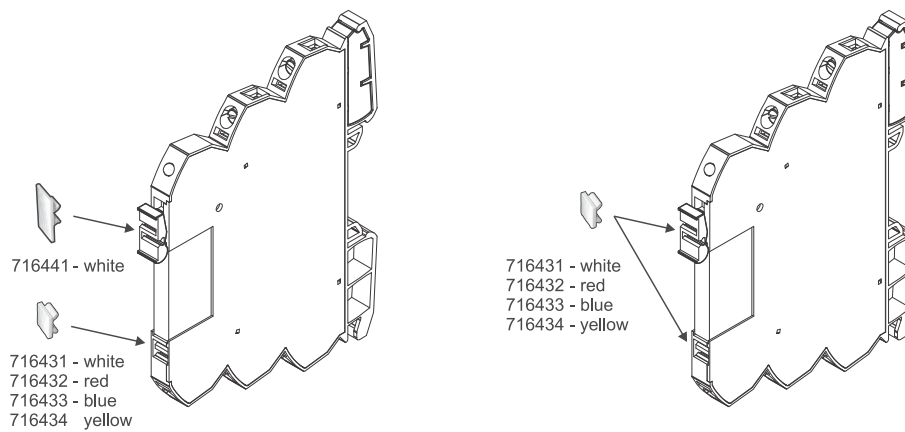
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS24UP-S-1U-HTV
Part No.	760021.1010

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	AC: 12 ms, DC: 6 ms
Shutdown delay	AC: 15 ms, DC: 14 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

Interface Technology · LCIS Mechanical Relay

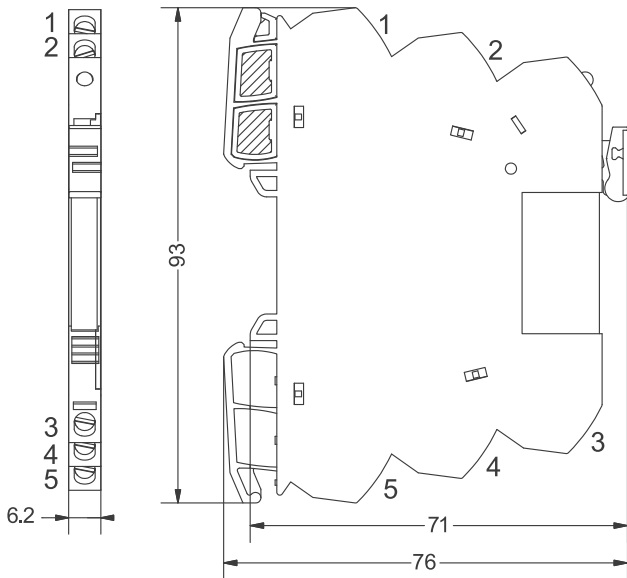
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

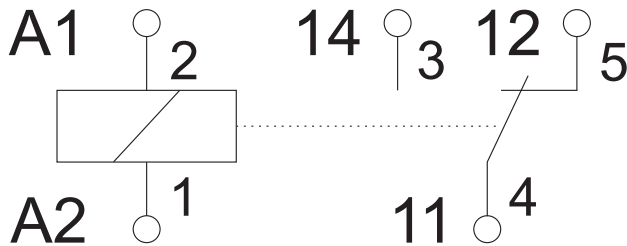
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



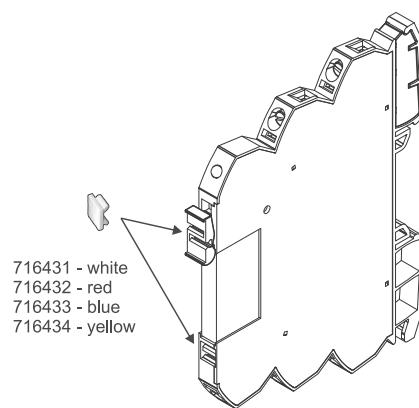
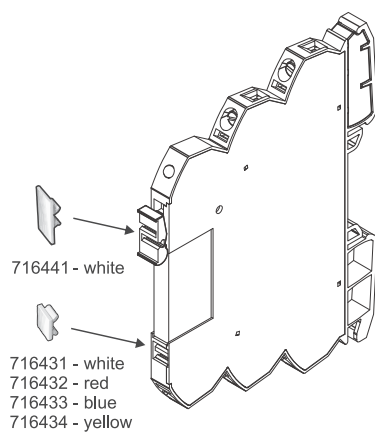
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE24DC-S-1U
Part No.	760023.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

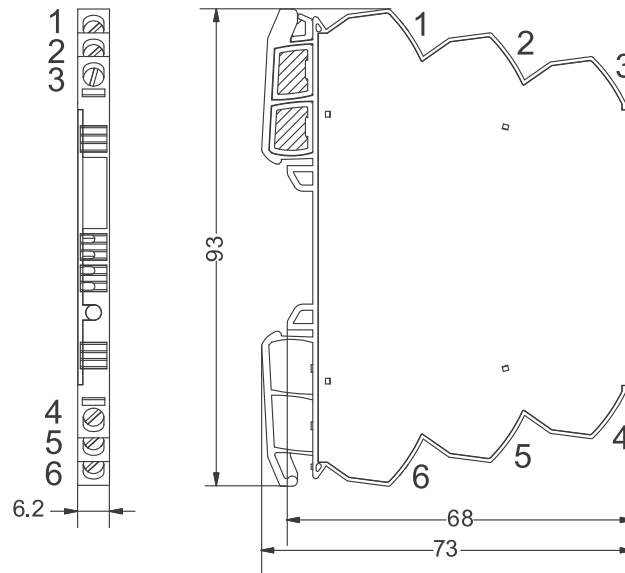
Technical data sheet

Interface Technology · LCIS Mechanical Relay

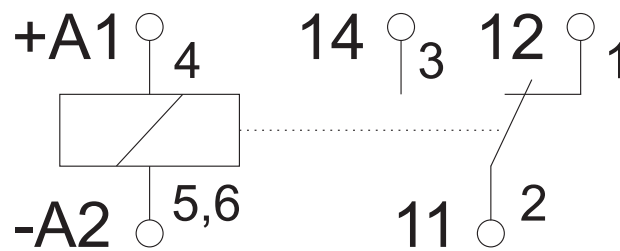
Standards

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EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

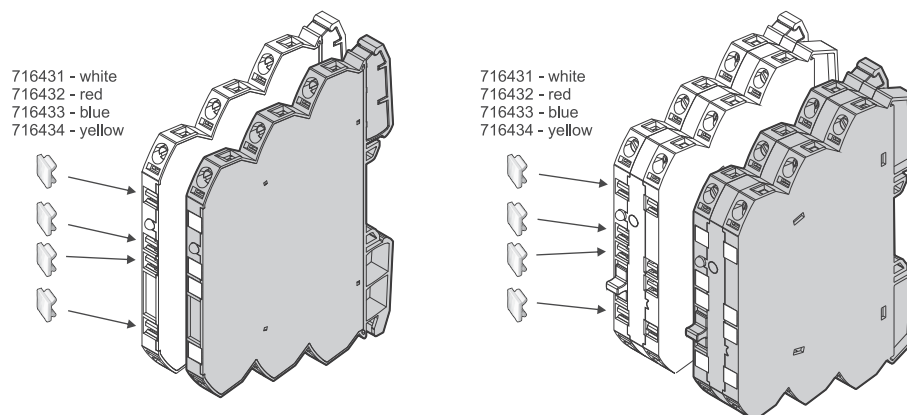
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE24DC-S-1U-HTV
Part No.	760023.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
EMC tests	Class B

Technical data sheet

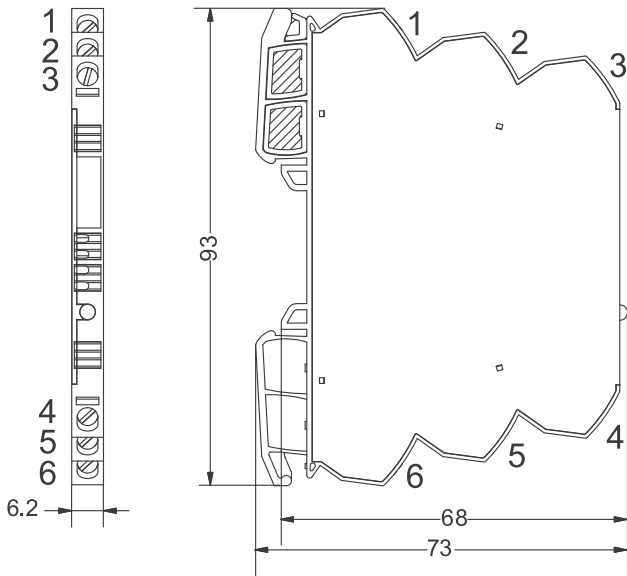
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

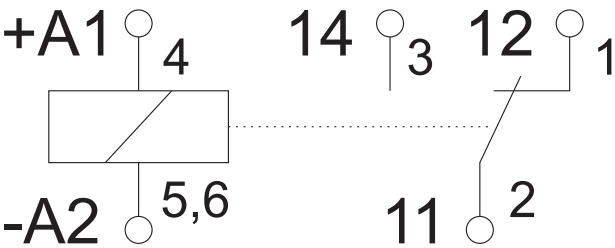
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



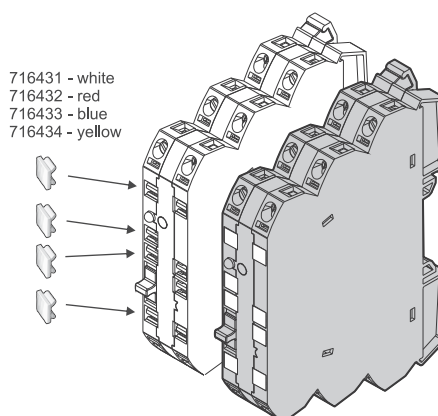
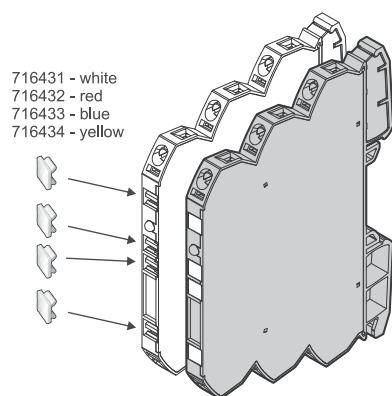
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE24UP-S-1U
Part No.	760024.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

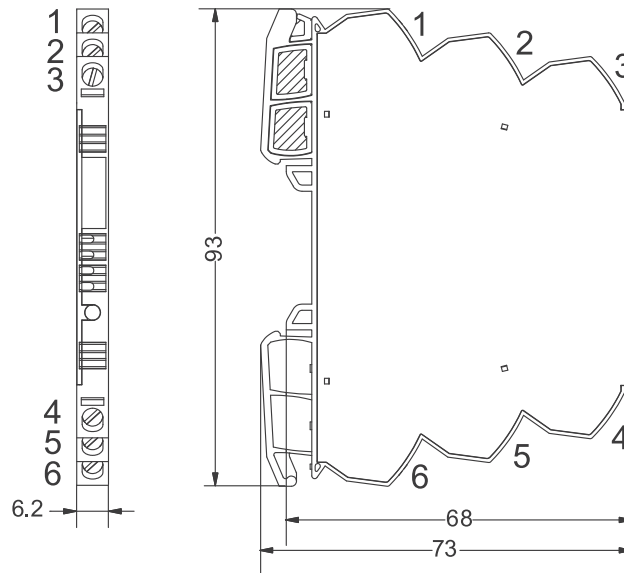
Technical data sheet

Interface Technology · LCIS Mechanical Relay

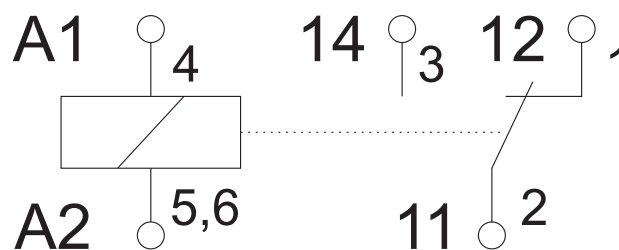
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

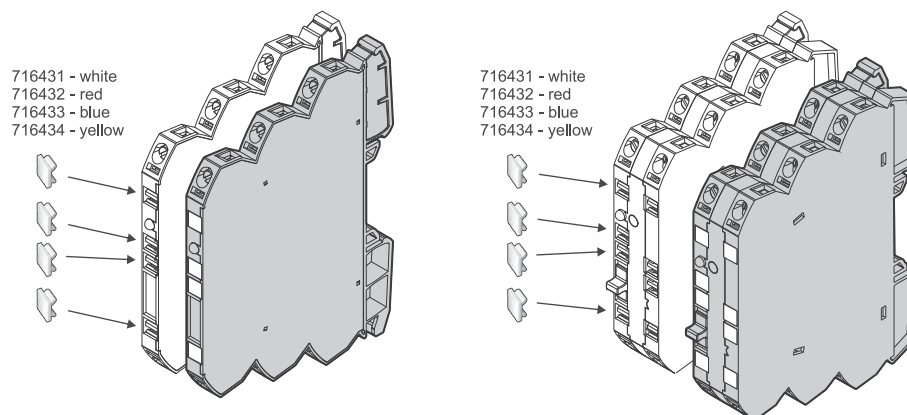
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE24UP-S-1U-HTV
Part No.	760024.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

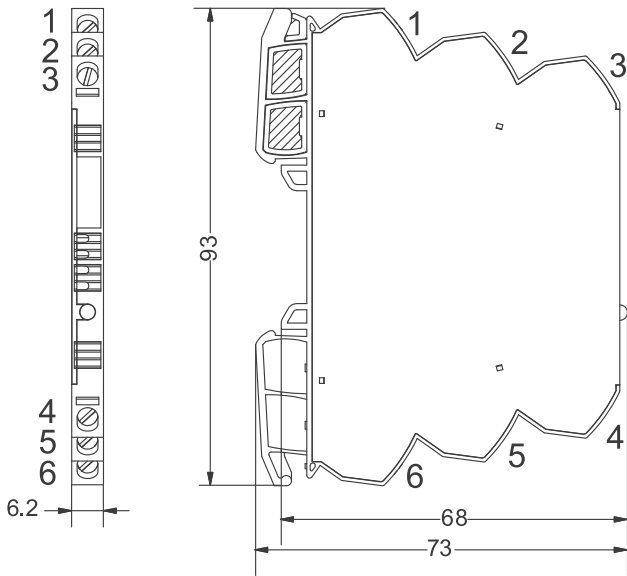
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

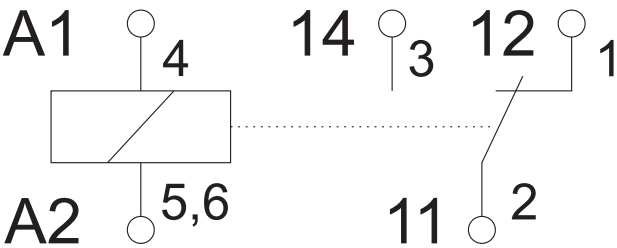
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



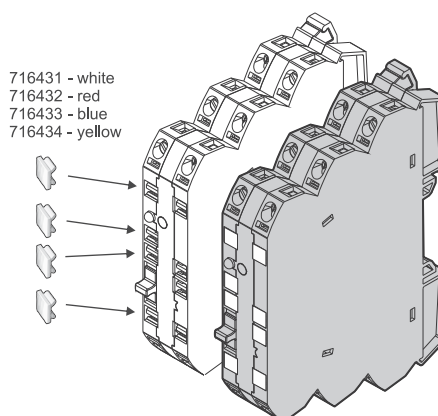
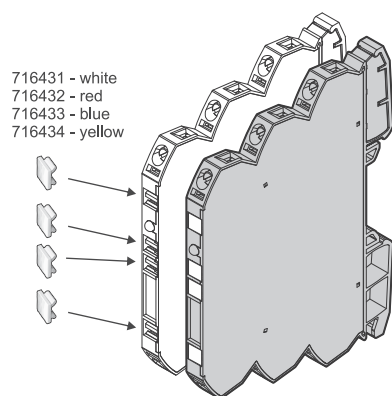
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA120UP-S-1U
Part No.	760051.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

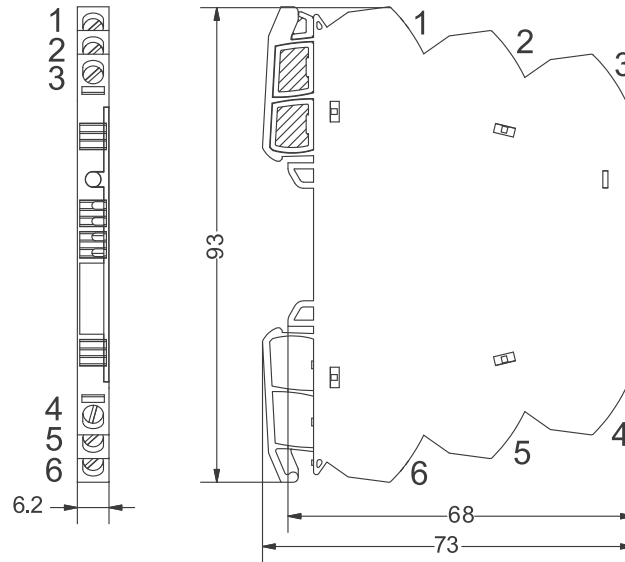
Technical data sheet

Interface Technology · LCIS Mechanical Relay

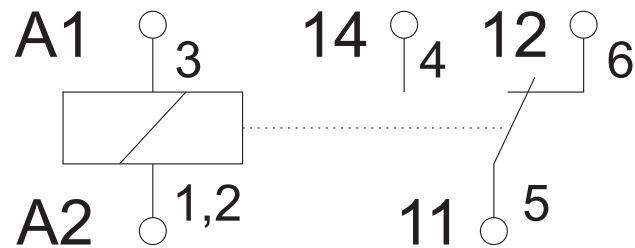
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

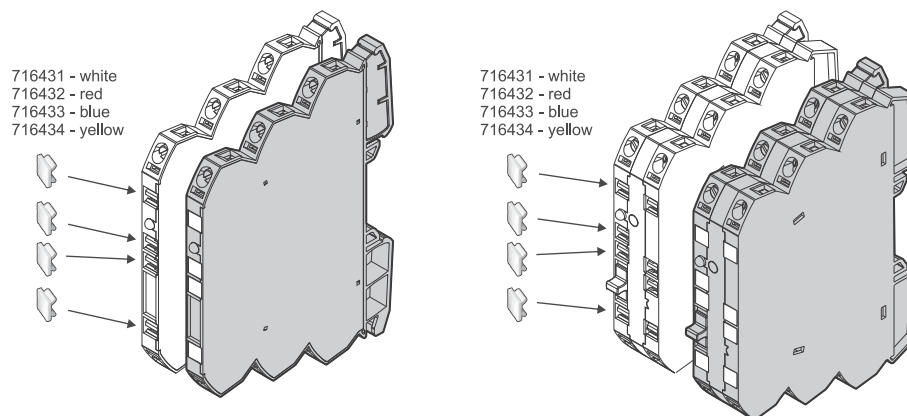
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA120UP-S-1U-HTV
Part No.	760051.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
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Technical data sheet

Interface Technology · LCIS Mechanical Relay

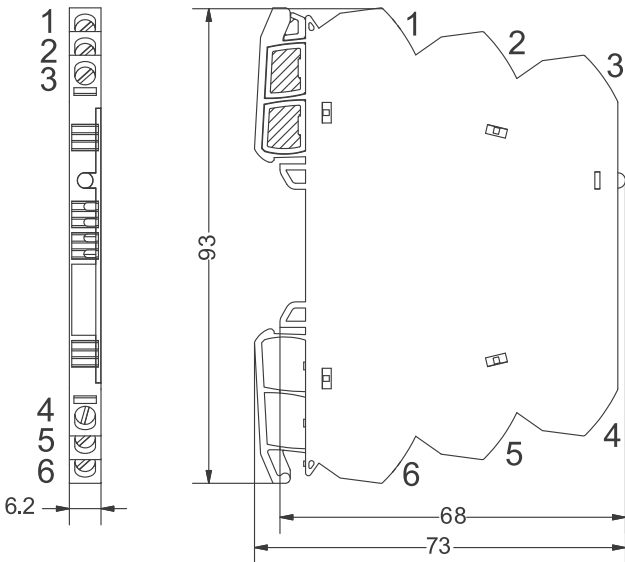
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

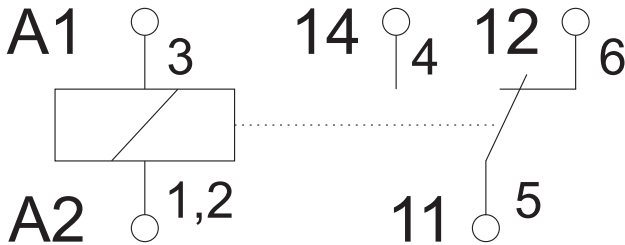
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



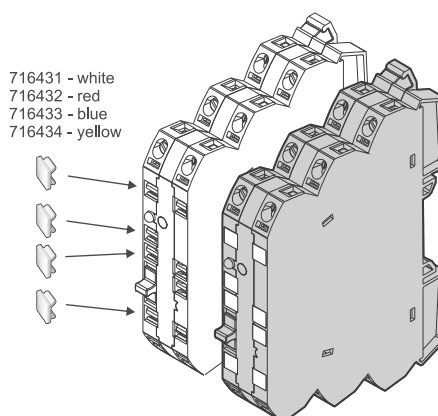
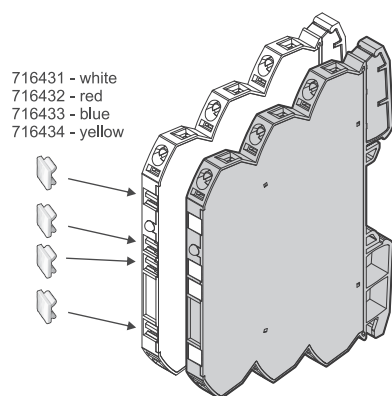
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS120UP-S-1U
Part No.	760051.1000

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

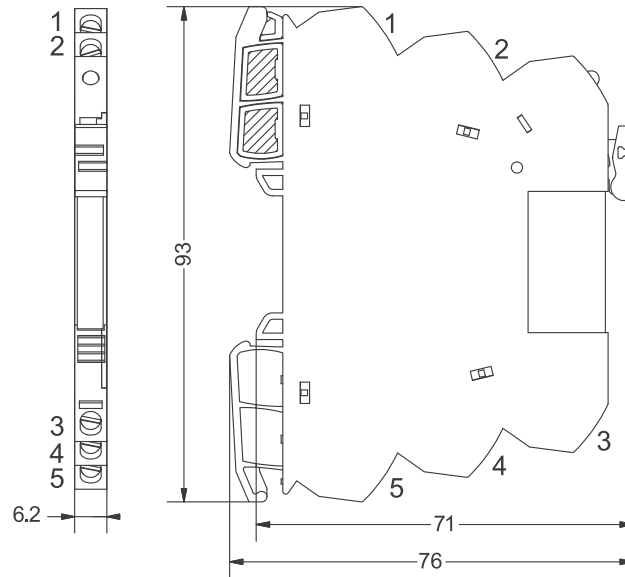
Technical data sheet

Interface Technology · LCIS Mechanical Relay

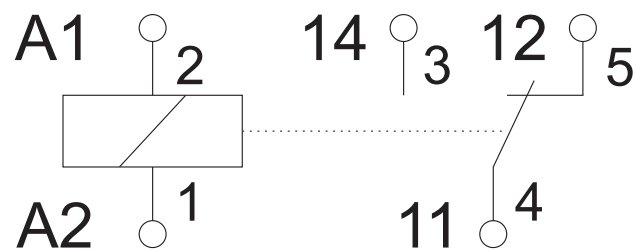
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

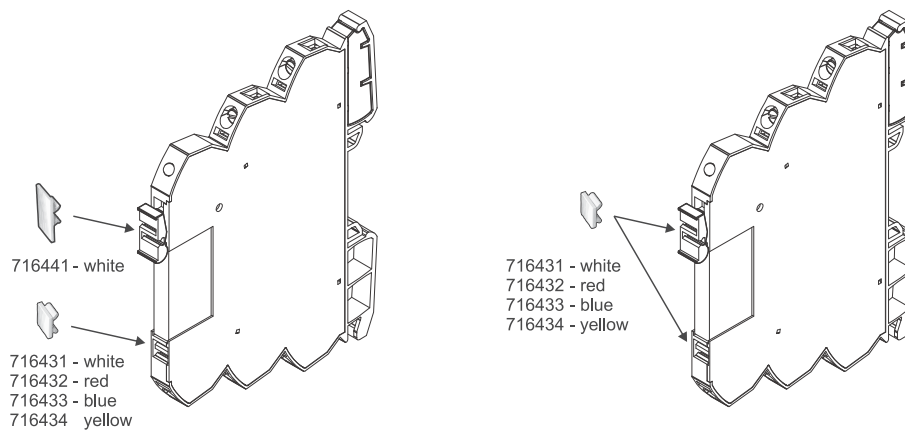
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS120UP-S-1U-HTV
Part No.	760051.1010

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

Interface Technology · LCIS Mechanical Relay

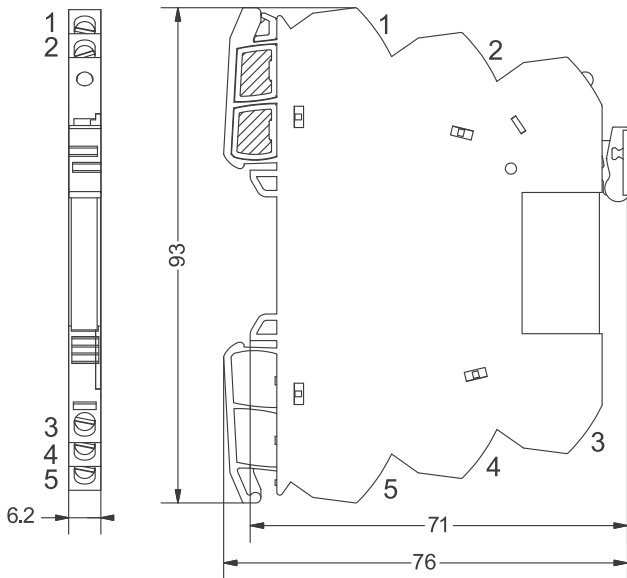
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

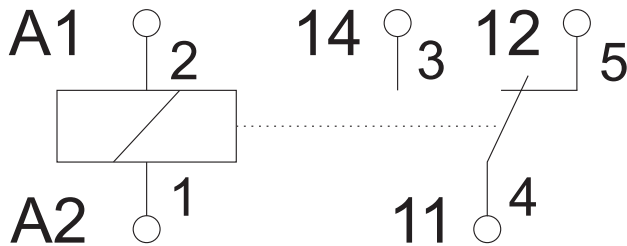
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



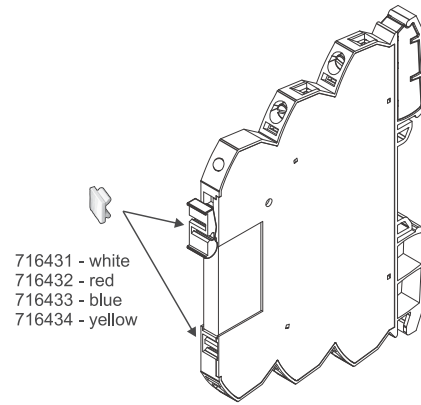
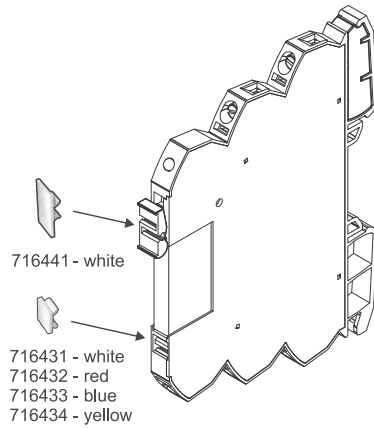
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE120UP-S-1U
Part No.	760054.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

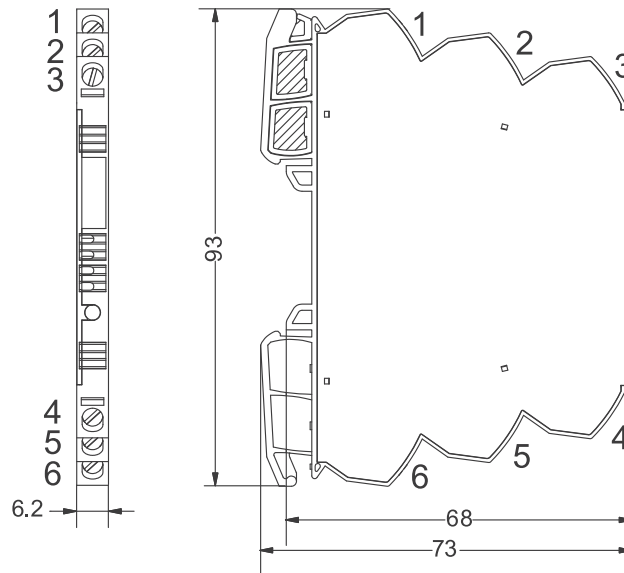
Technical data sheet

Interface Technology · LCIS Mechanical Relay

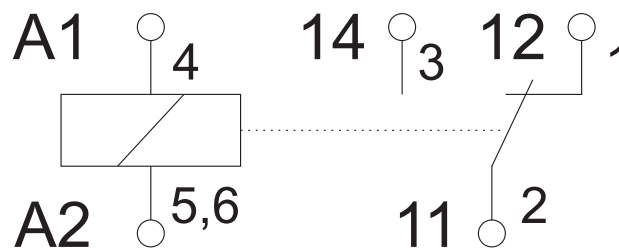
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

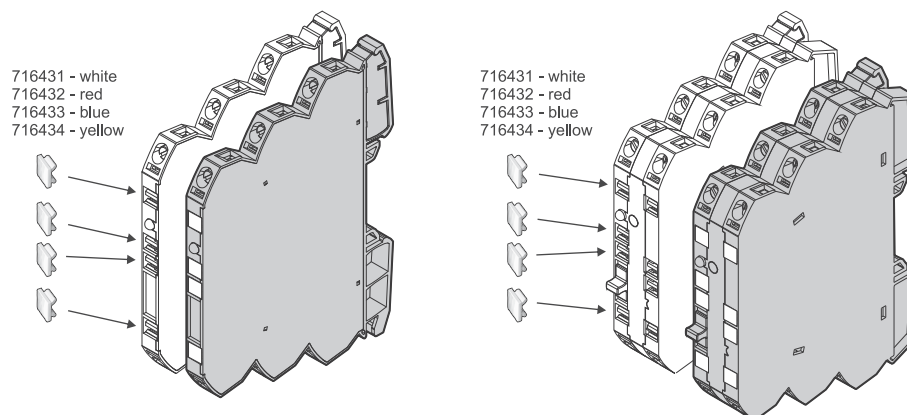
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE120UP-S-1U-HTV
Part No.	760054.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

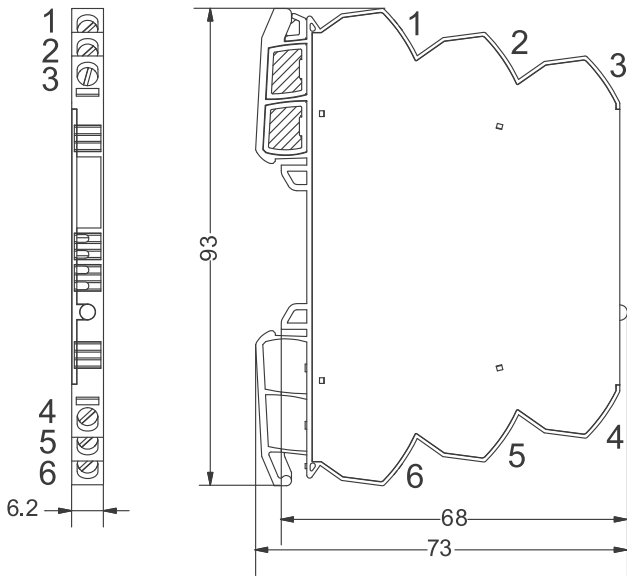
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

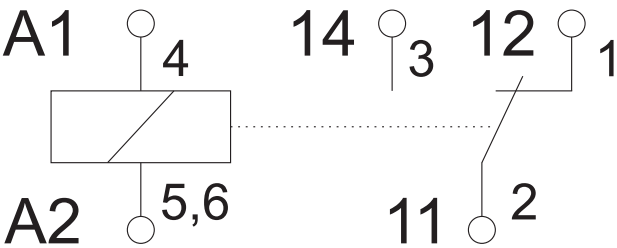
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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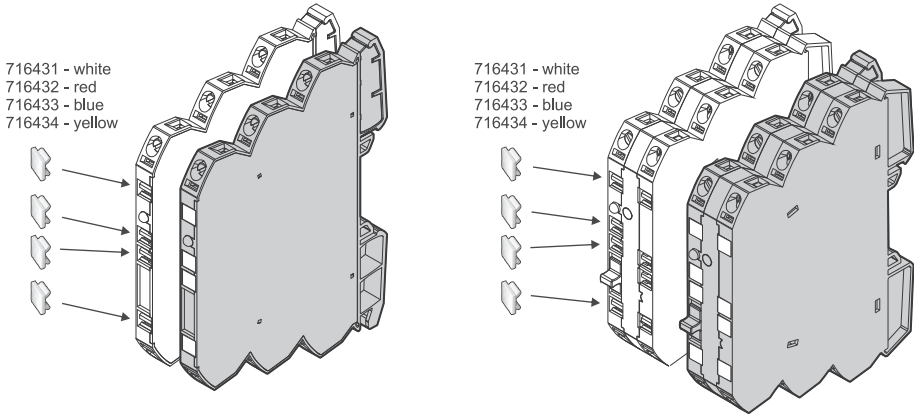
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA230UP-S-1U
Part No.	760061.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

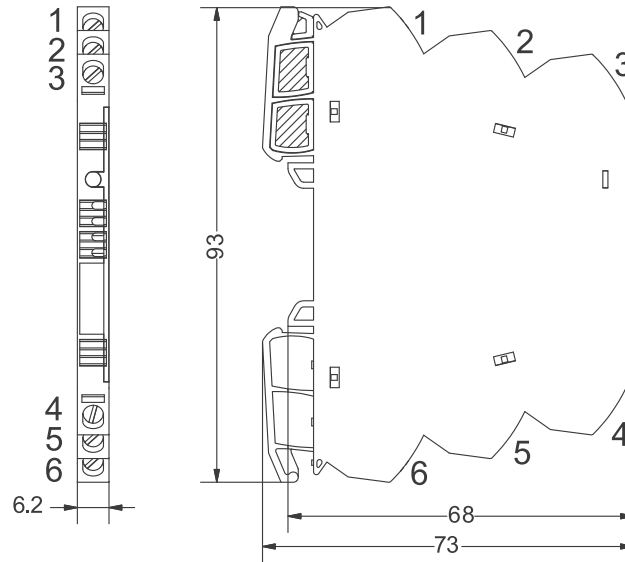
Technical data sheet

Interface Technology · LCIS Mechanical Relay

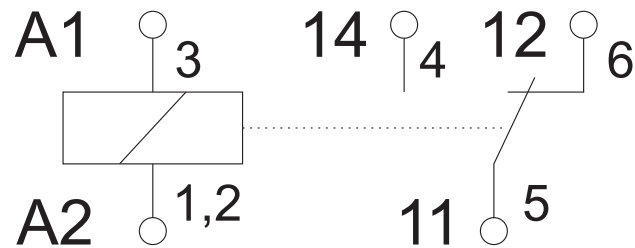
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

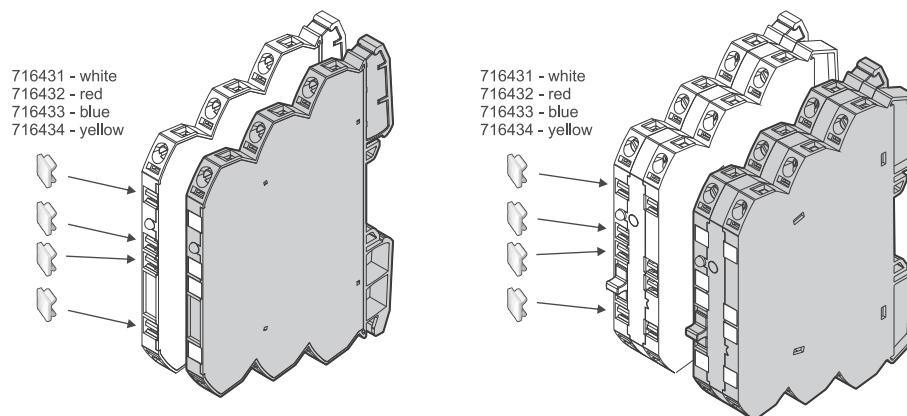
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA230UP-S-1U-HTV
Part No.	760061.0010

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
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Technical data sheet

Interface Technology · LCIS Mechanical Relay

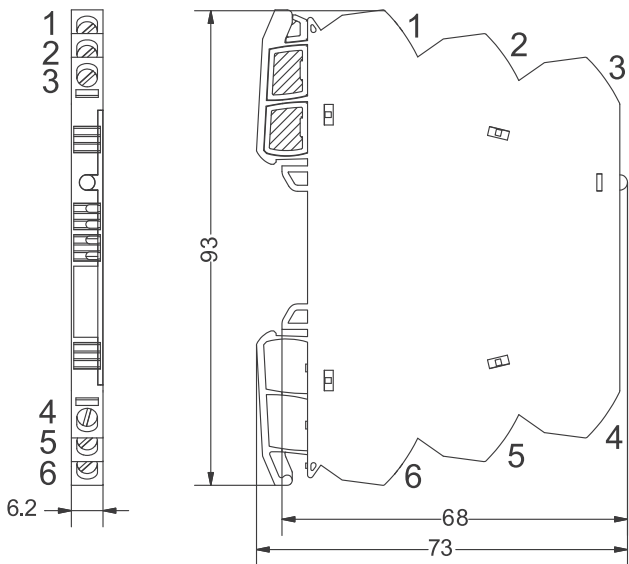
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

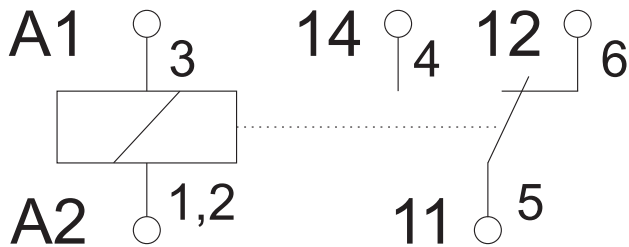
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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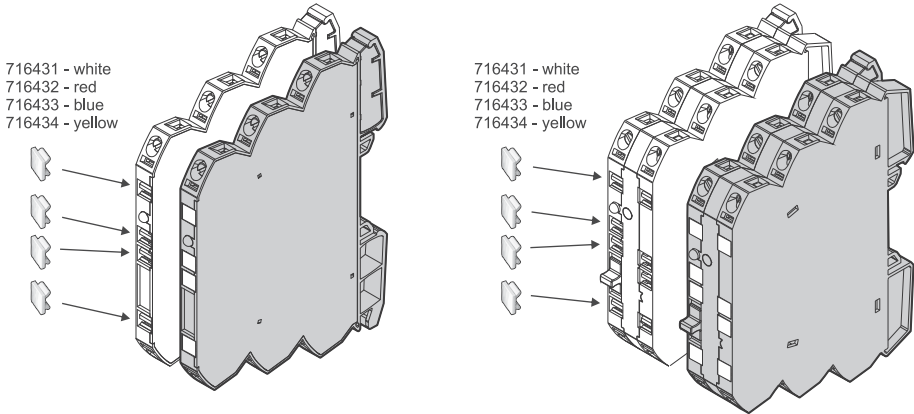
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS230UP-S-1U
Part No.	760061.1000

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.8 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

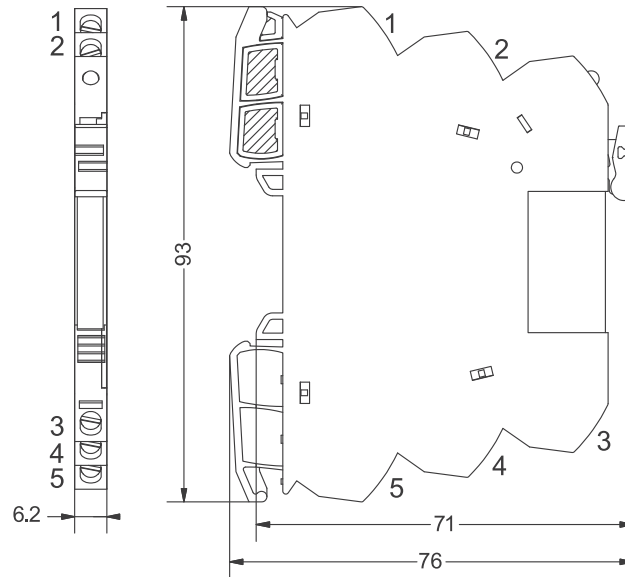
Technical data sheet

Interface Technology · LCIS Mechanical Relay

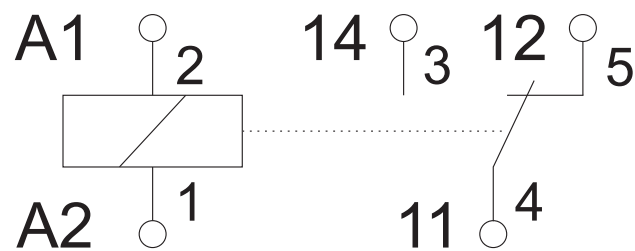
Standards

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EN 60947-5-1
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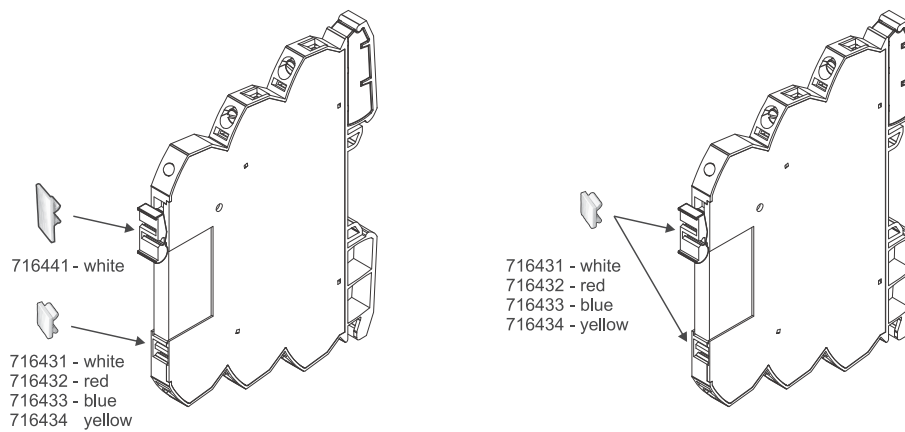
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS230UP-S-1U-HTV
Part No.	760061.1010

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.8 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

Interface Technology · LCIS Mechanical Relay

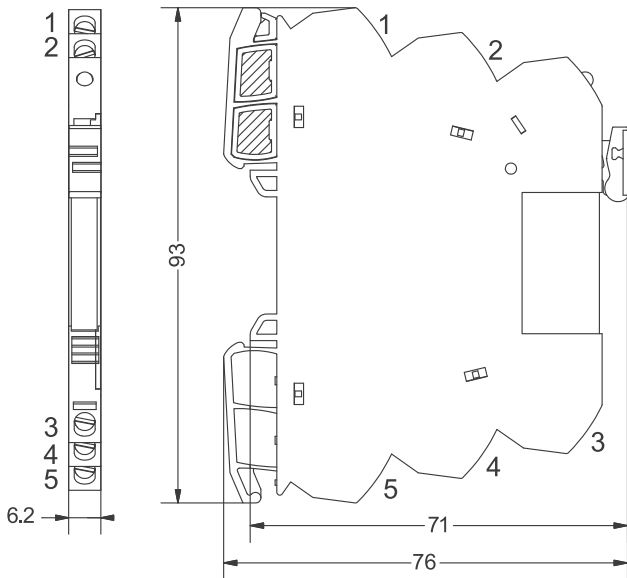
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

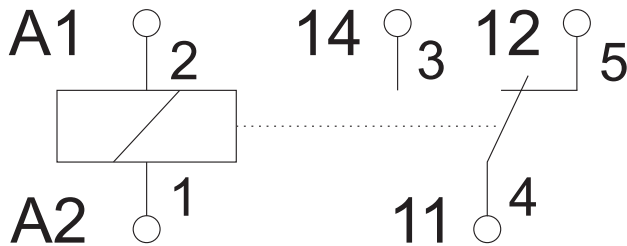
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



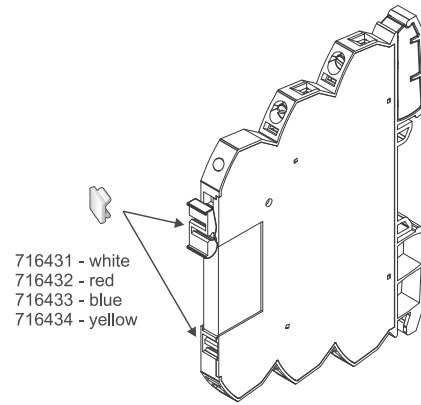
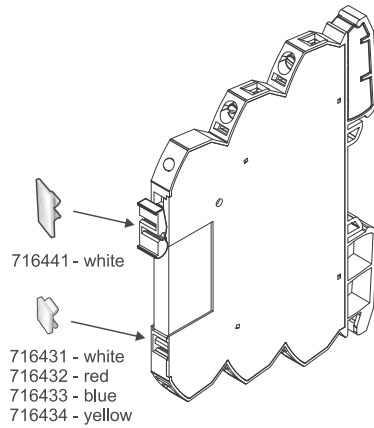
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE230UP-S-1U
Part No.	760064.0000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

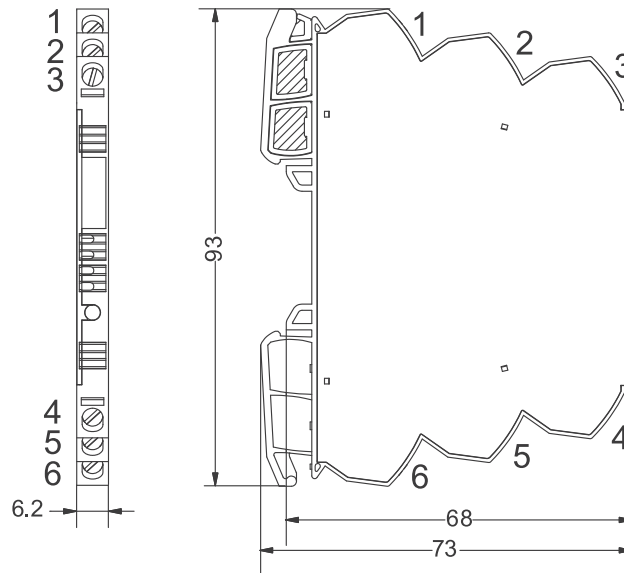
Technical data sheet

Interface Technology · LCIS Mechanical Relay

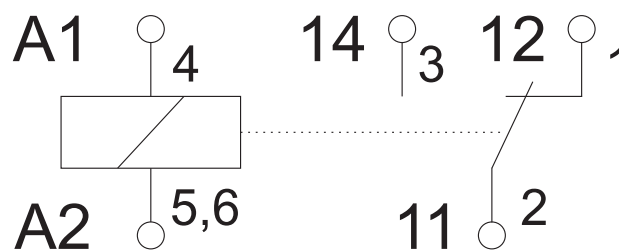
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

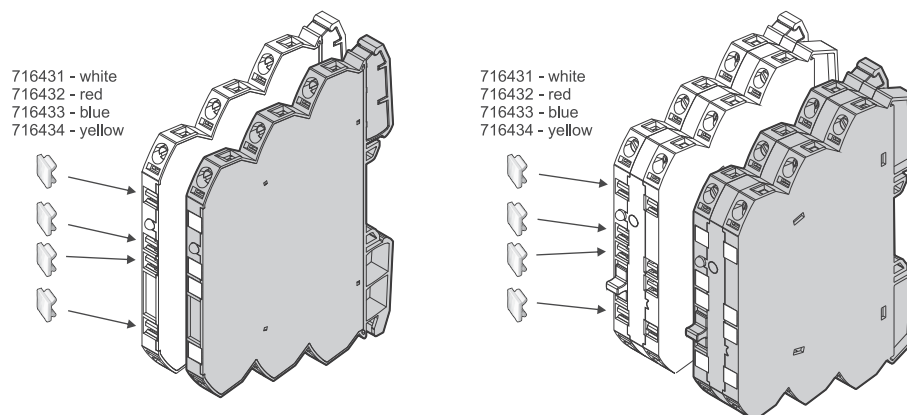
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE230UP-S-1U-HTV
Part No.	760064.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

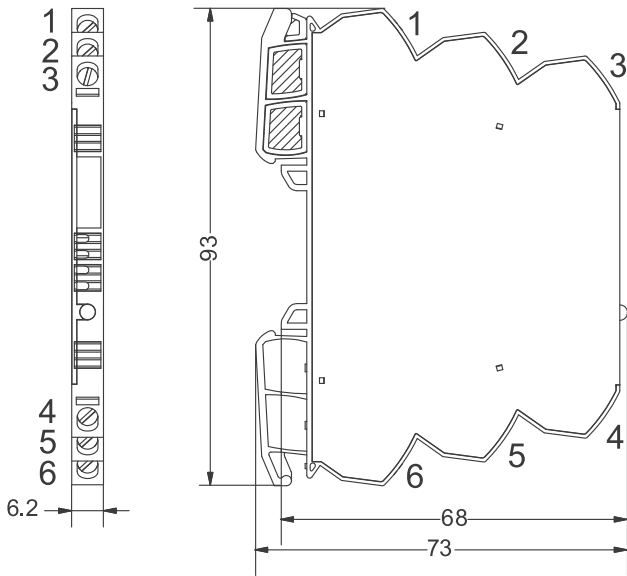
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

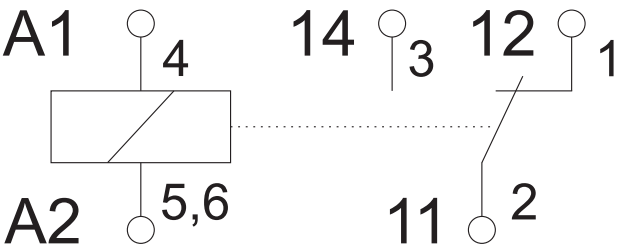
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



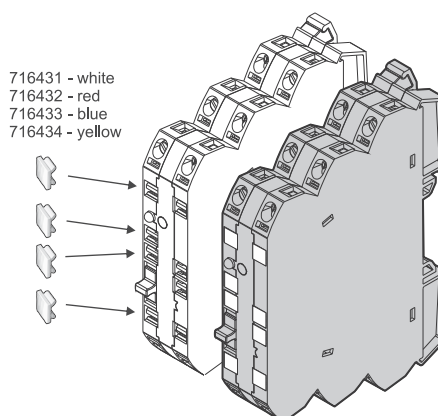
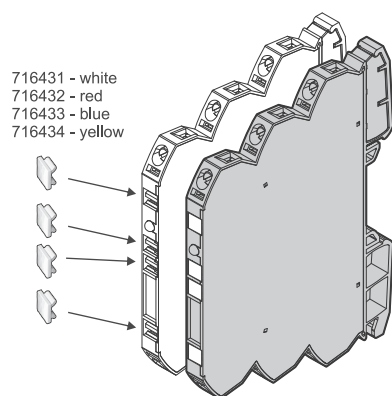
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 changeover contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA12DC-PI-1U
Part No.	761019.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	DC 12 V
Input voltage range	9.6 V – 15 V
Rated current I_N	17.2 mA
Protection device Input	Varistor Reverse diode
Max. length of connecting lead	1000 m
Status display input	LED green
Interrupting voltage	<1.2 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	7 ms
Shutdown delay	13 ms
Max. length of connecting lead	1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

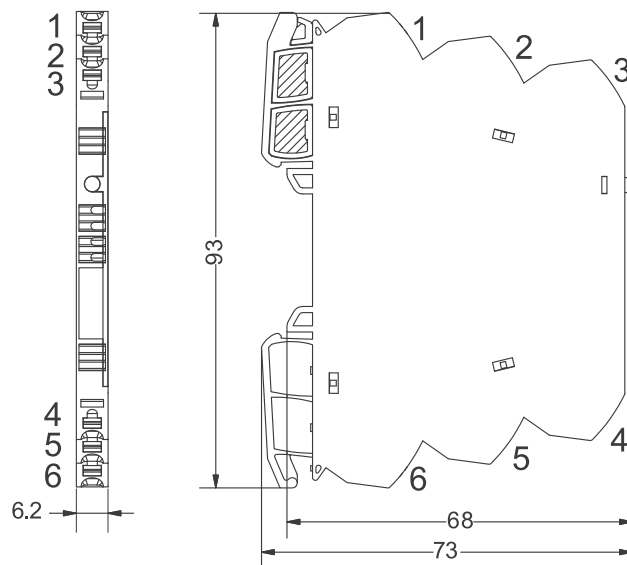
Technical data sheet

Interface Technology · LCIS Mechanical Relay

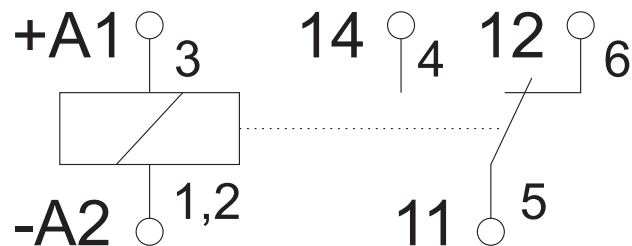
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EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

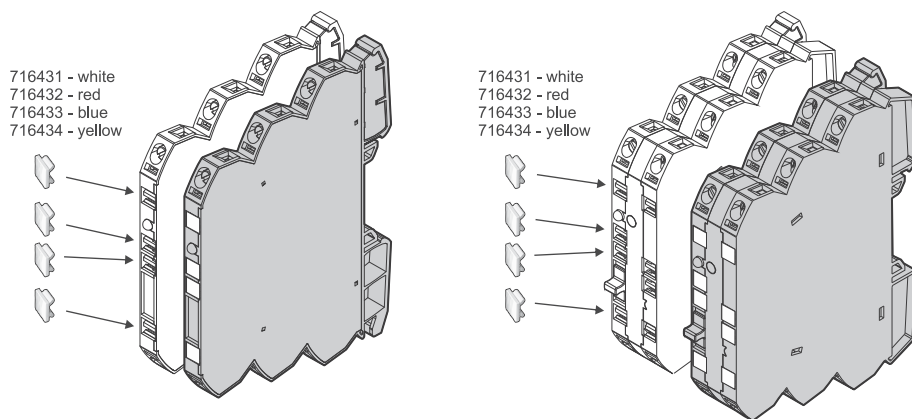
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS12DC-PI-1U
Part No.	761019.1000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 12 V
Input voltage range	9.6 V – 15 V
Rated current I_N	17.2 mA
Protection device Input	Varistor Reverse diode
Max. length of connecting lead	1000 m
Status display input	LED green
Interrupting voltage	<1.2 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	7 ms
Shutdown delay	13 ms
Max. length of connecting lead	1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

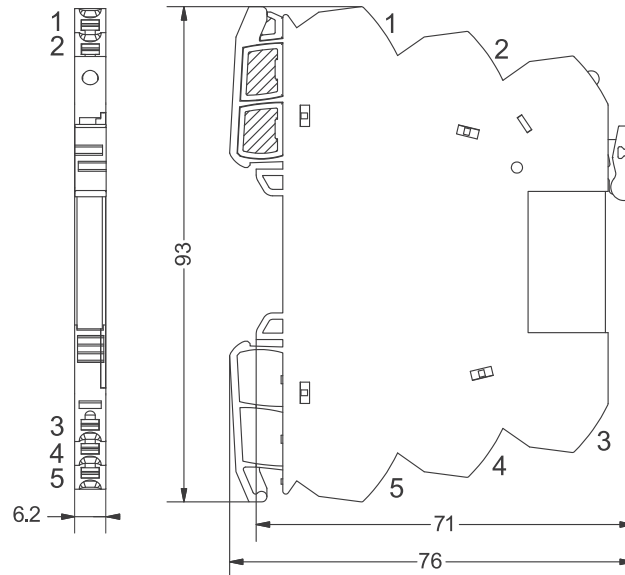
Technical data sheet

Interface Technology · LCIS Mechanical Relay

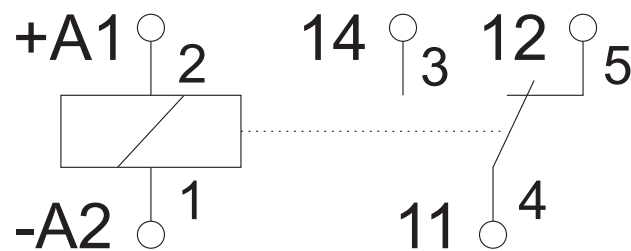
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

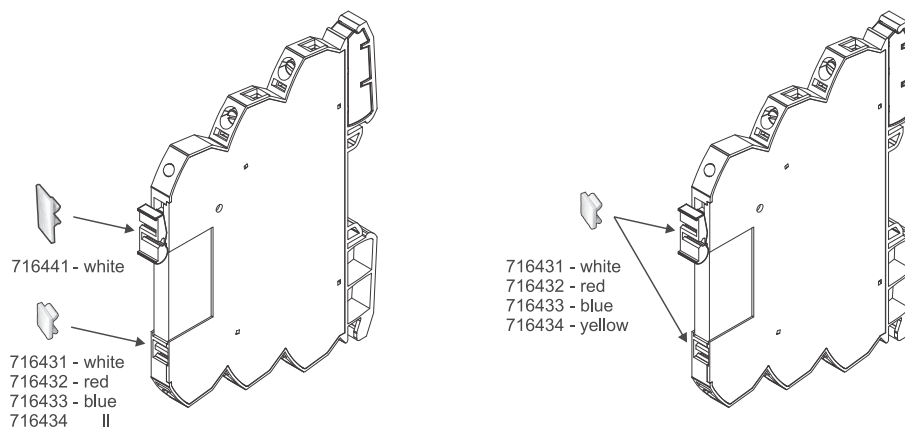
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA24DC-PI-1U
Part No.	761020.0000

Product version

Datasheet version	05
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Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

Conformity	CE
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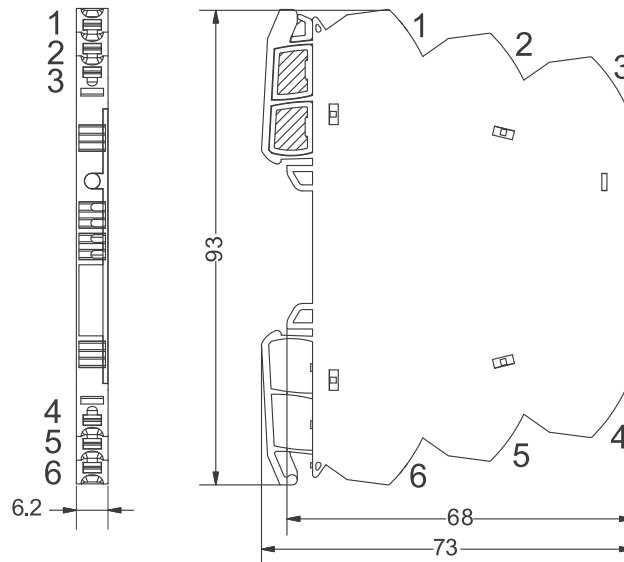
Technical data sheet

Interface Technology · LCIS Mechanical Relay

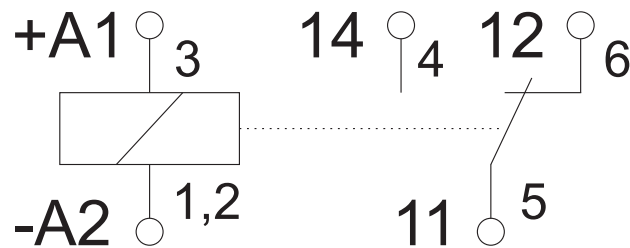
Standards

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EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

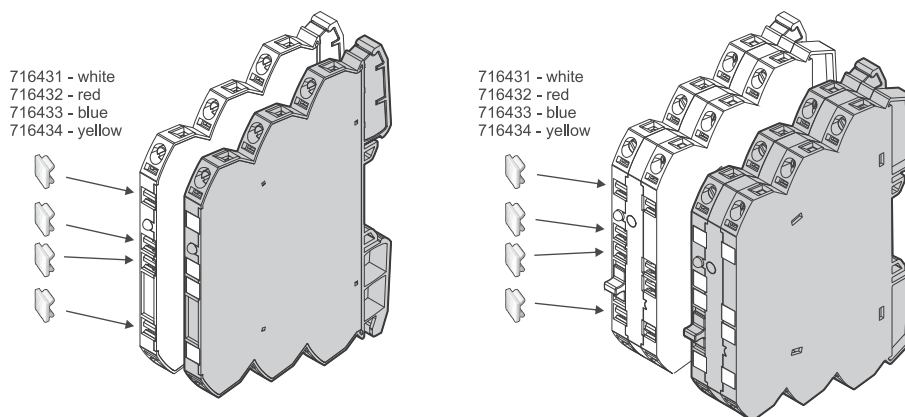
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA24DC-PI-1U-HTV
Part No.	761020.0010

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing

Technical data sheet

Interface Technology · LCIS Mechanical Relay

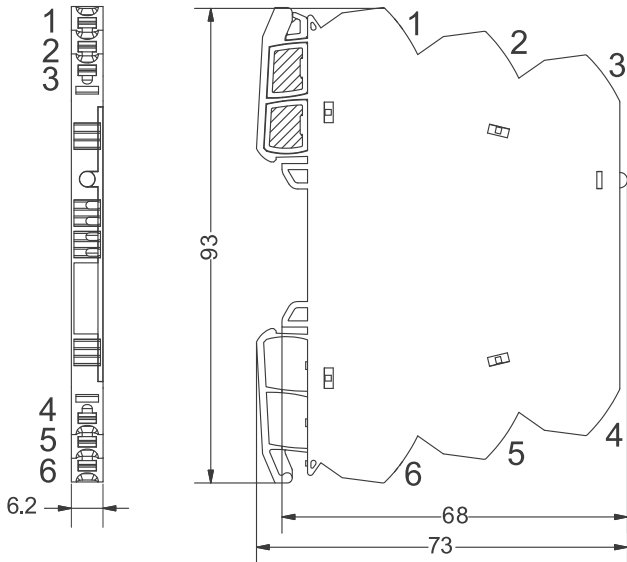
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

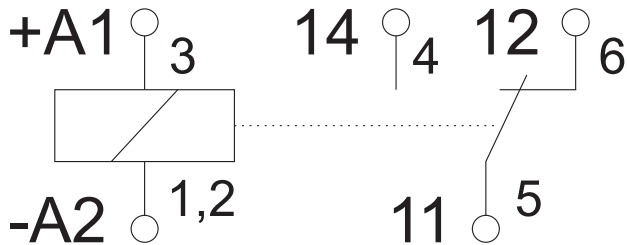
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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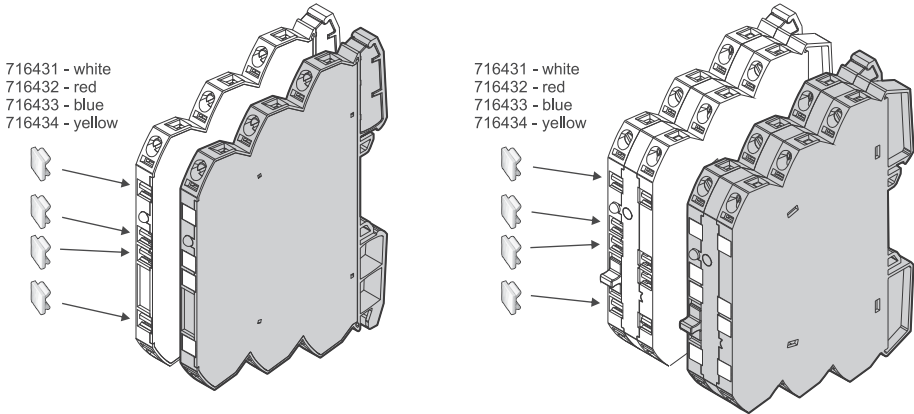
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Relay Module

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA24DC-PI-1U-HTV-L
Part No.	761020.0060

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V

Technical data sheet

Interface Technology · LCIS Relay Module

Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 30 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	approx. 10 ⁷ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Surface of circuit board	lacquered
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	AC 4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +85 °C

Technical data sheet

Interface Technology · LCIS Relay Module

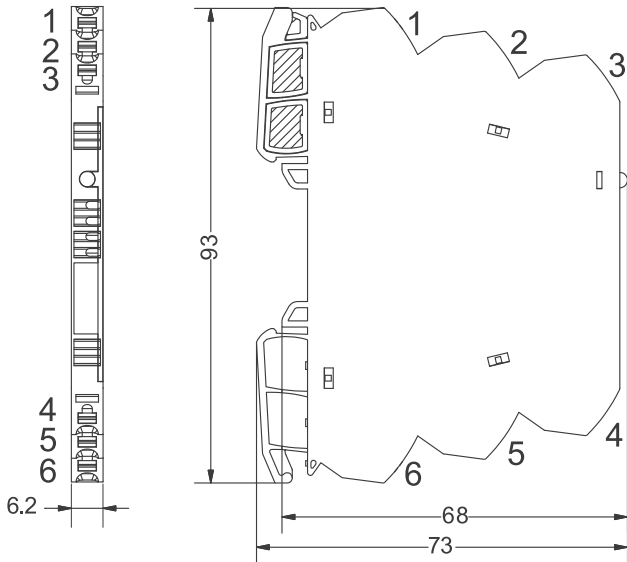
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

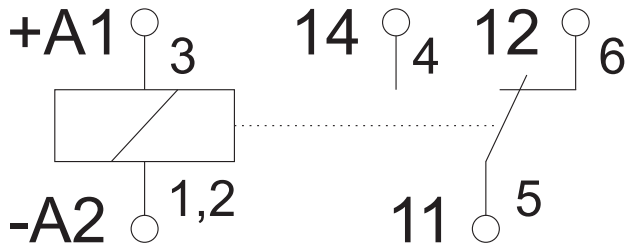
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



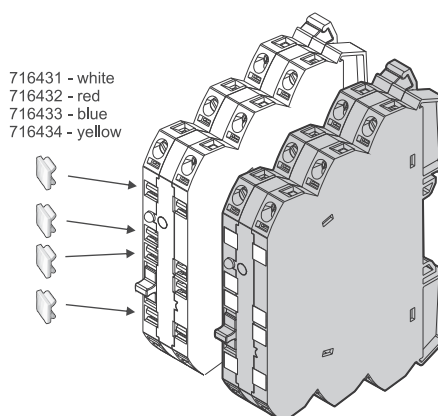
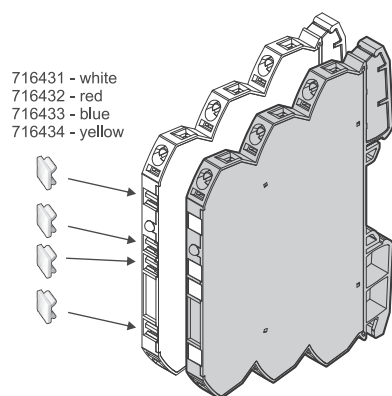
PIN assignment



Technical data sheet

Interface Technology · LCIS Relay Module

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS24DC-PI-1U
Part No.	761020.1000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	6 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

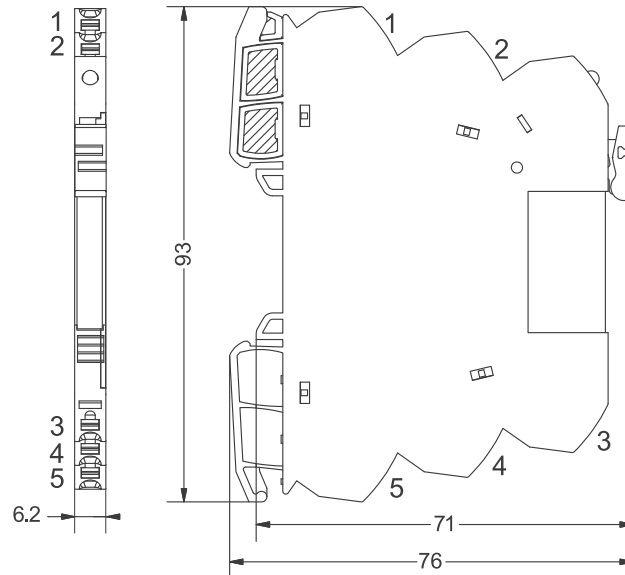
Technical data sheet

Interface Technology · LCIS Mechanical Relay

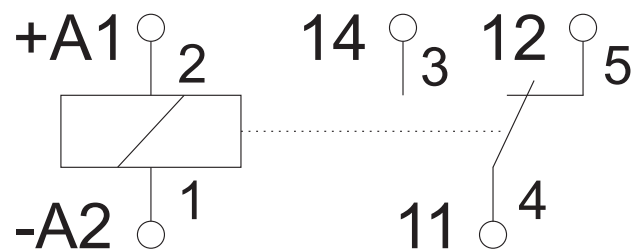
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
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DNV-CG-0339

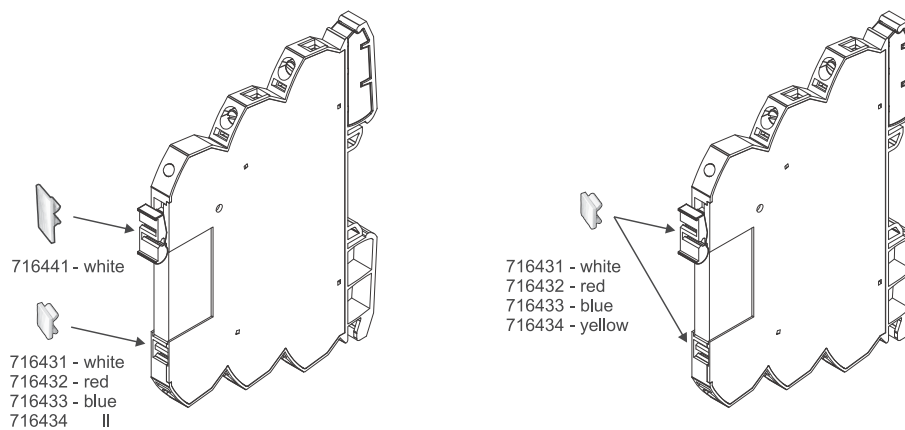
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS24DC-PI-1U-HTV
Part No.	761020.1010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

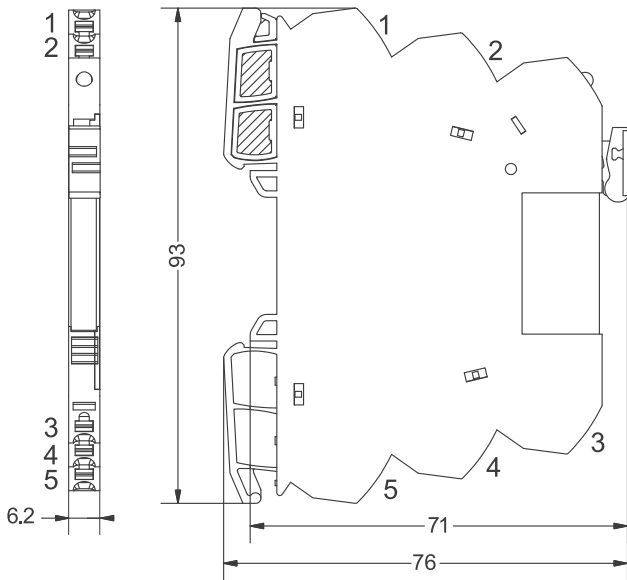
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

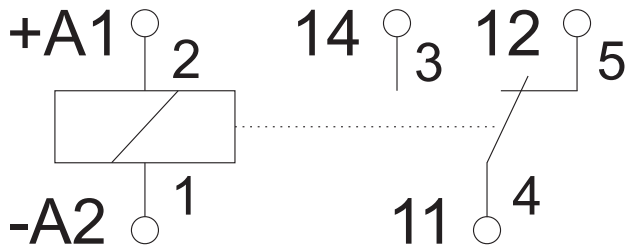
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



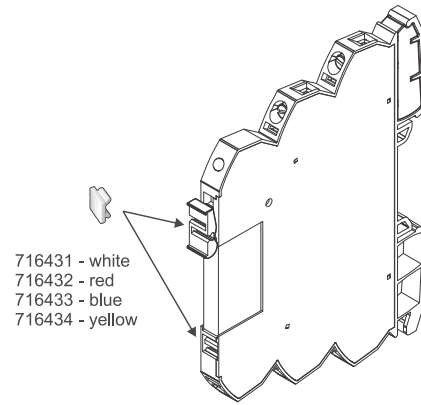
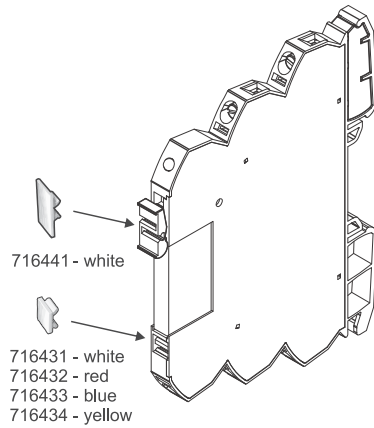
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA24UP-PI-1U
Part No.	761021.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

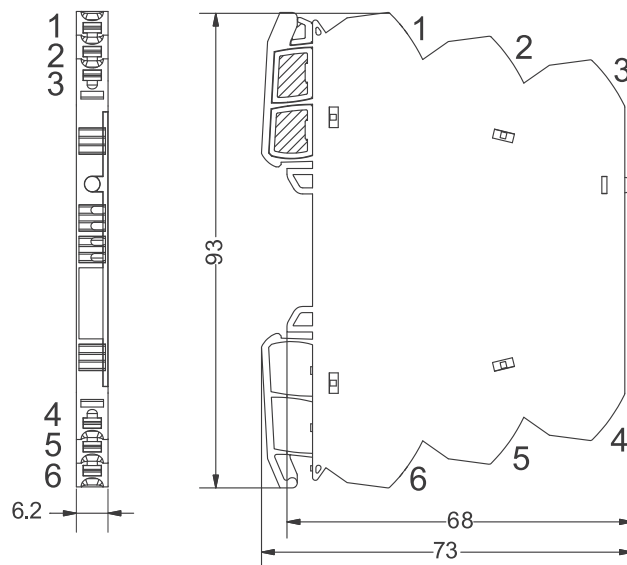
Technical data sheet

Interface Technology · LCIS Mechanical Relay

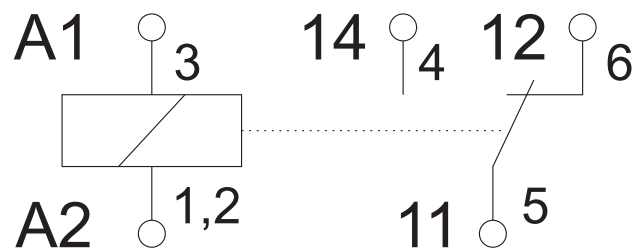
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

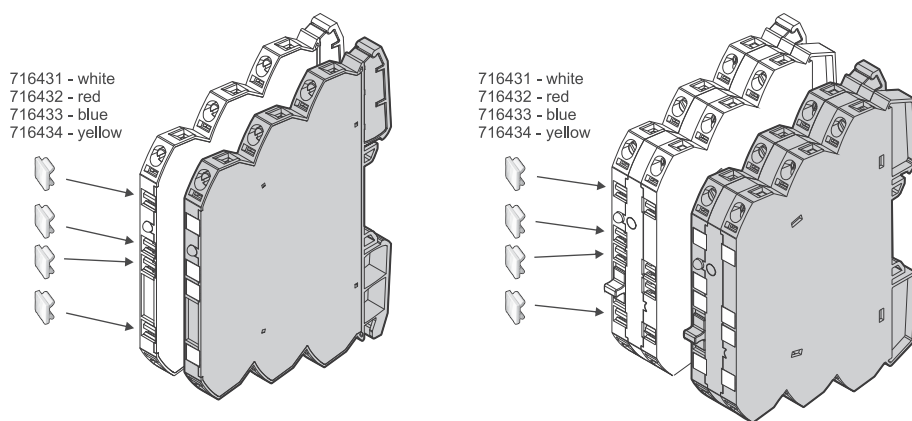
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA24UP-PI-1U-HTV
Part No.	761021.0010

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
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Technical data sheet

Interface Technology · LCIS Mechanical Relay

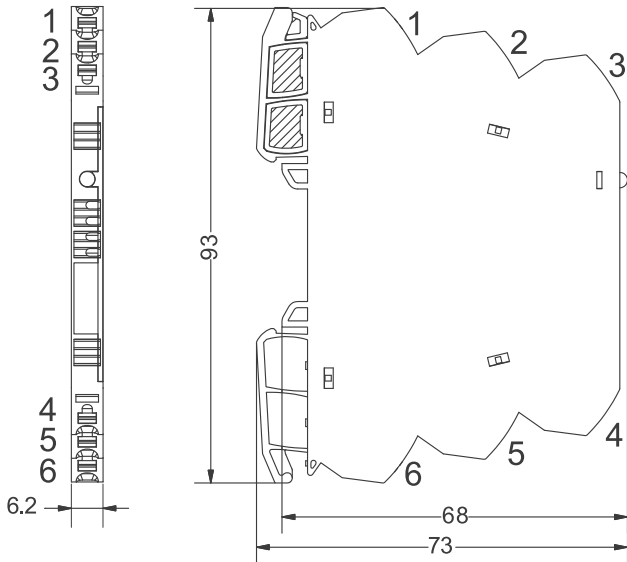
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

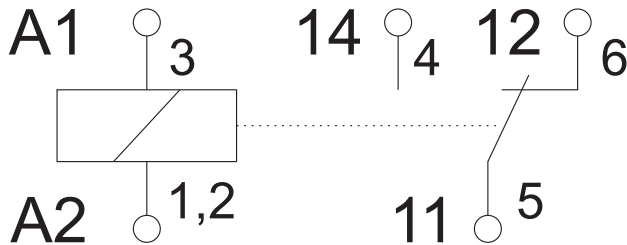
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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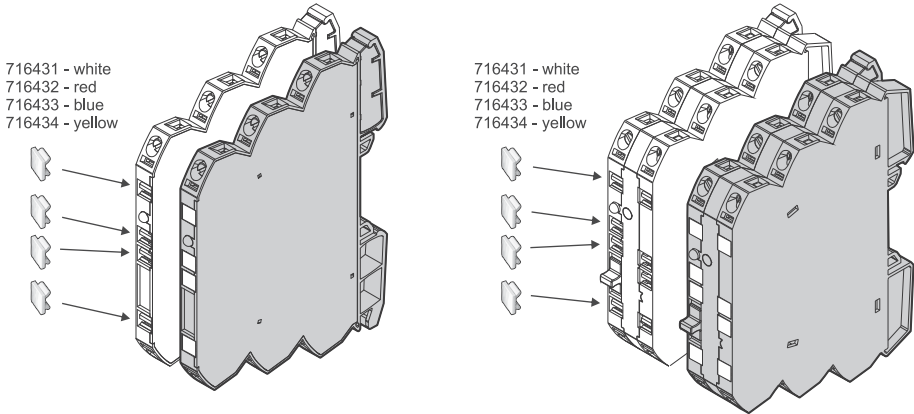
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS24UP-PI-1U
Part No.	761021.1000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	AC: 10 ms, DC: 6 ms
Shutdown delay	AC: 10 ms, DC: 10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

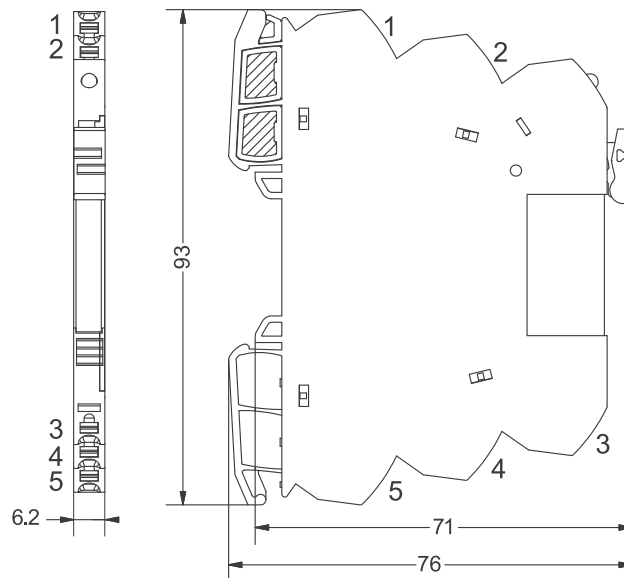
Technical data sheet

Interface Technology · LCIS Mechanical Relay

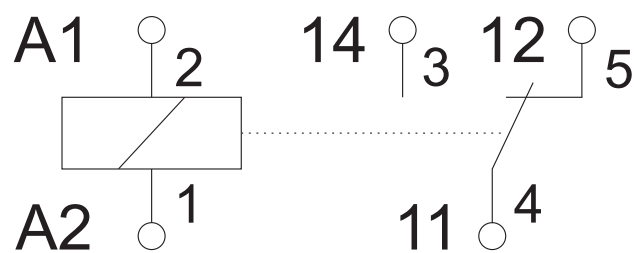
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

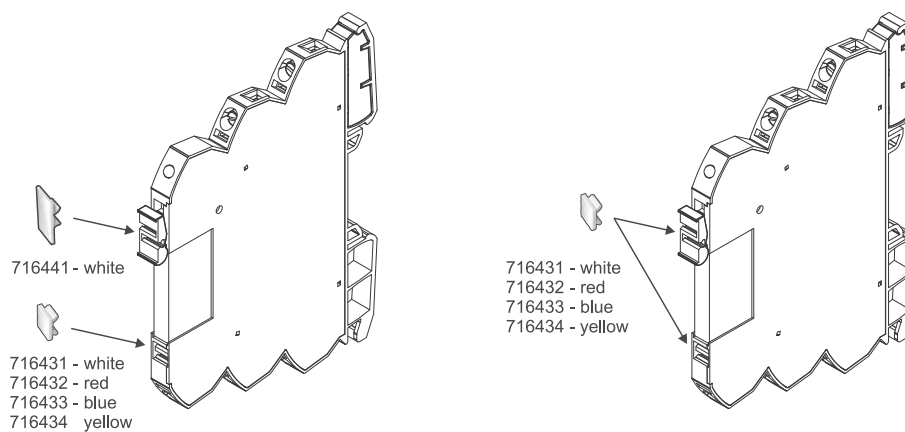
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS24UP-PI-1U-HTV
Part No.	761021.1010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	AC: 12 ms, DC: 6 ms
Shutdown delay	AC: 15 ms, DC: 14 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

Interface Technology · LCIS Mechanical Relay

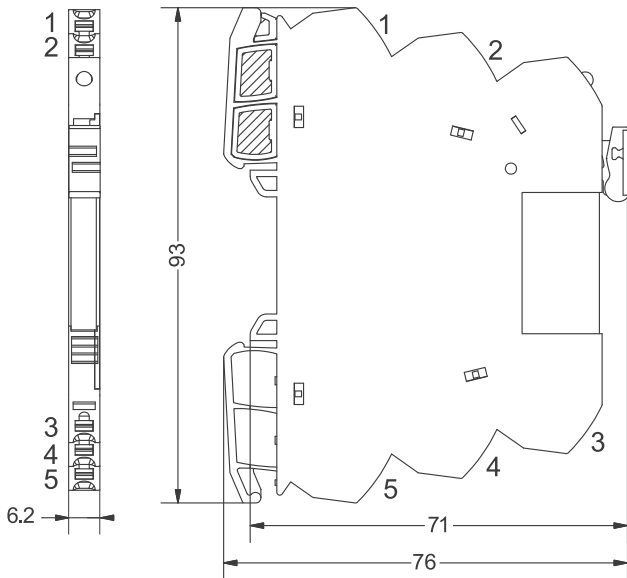
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

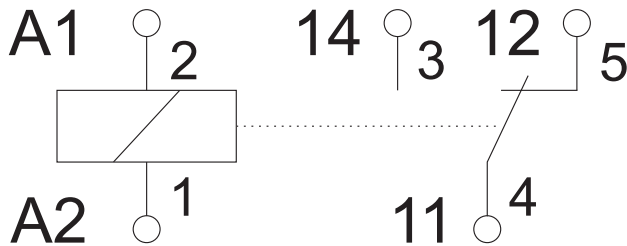
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



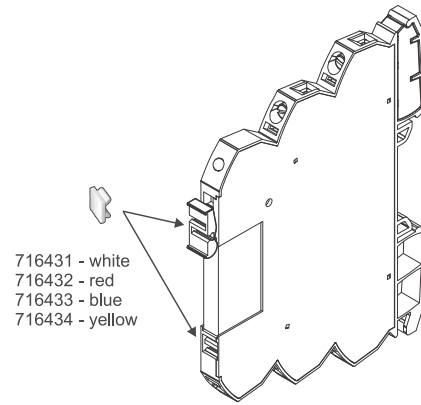
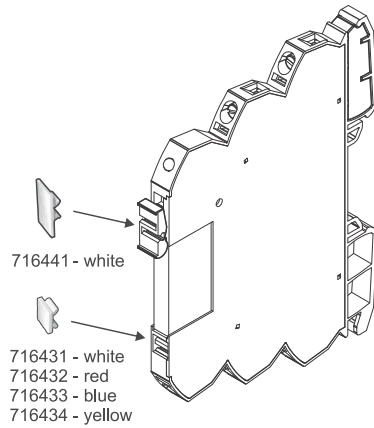
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE24DC-PI-1U
Part No.	761023.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	4 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

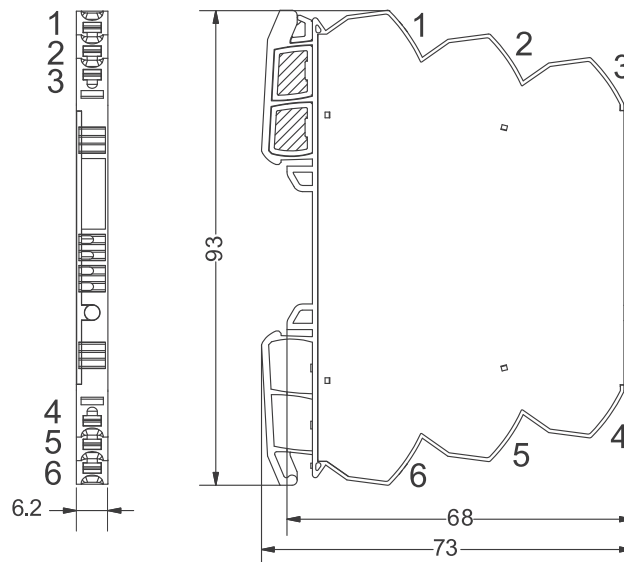
Technical data sheet

Interface Technology · LCIS Mechanical Relay

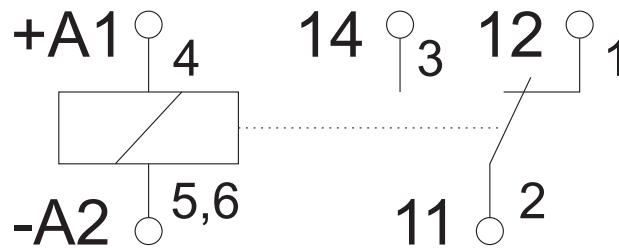
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

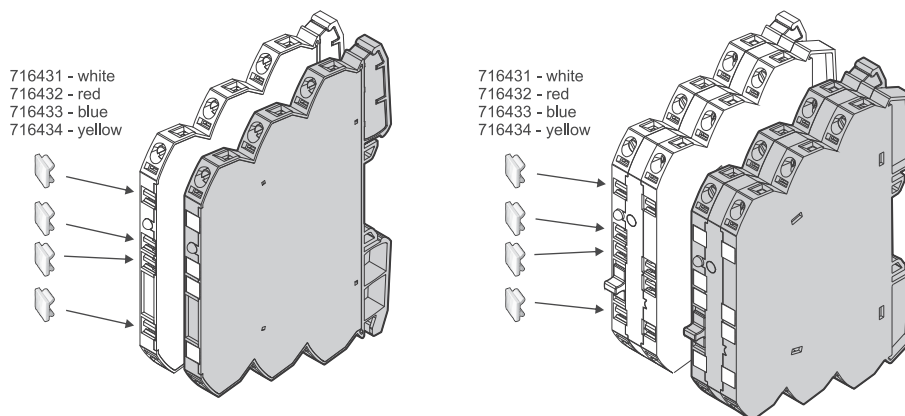
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE24DC-PI-1U-HTV
Part No.	761023.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
EMC tests	Class B

Technical data sheet

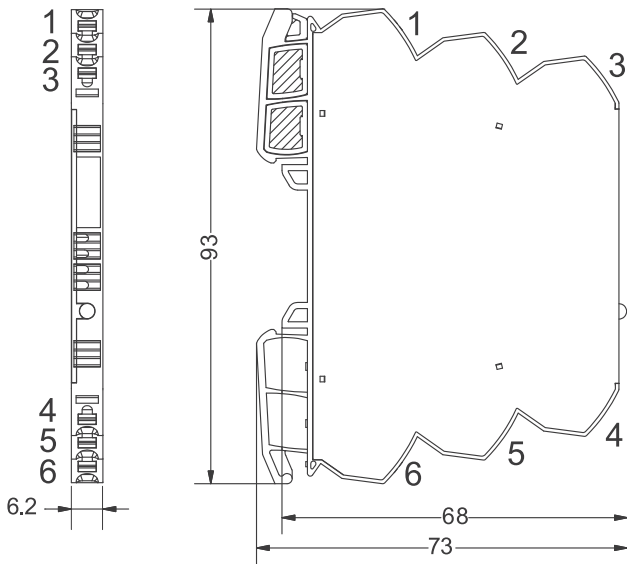
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

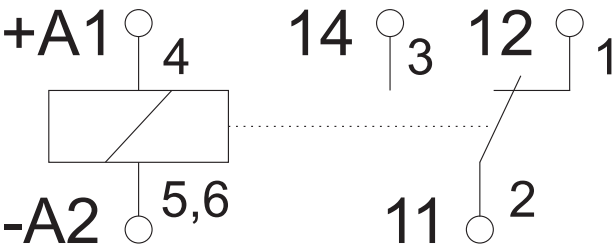
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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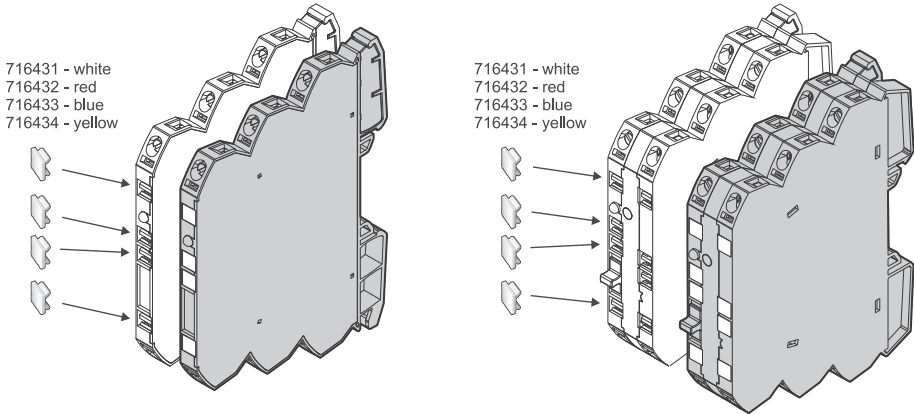
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE24UP-PI-1U
Part No.	761024.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	21.6 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

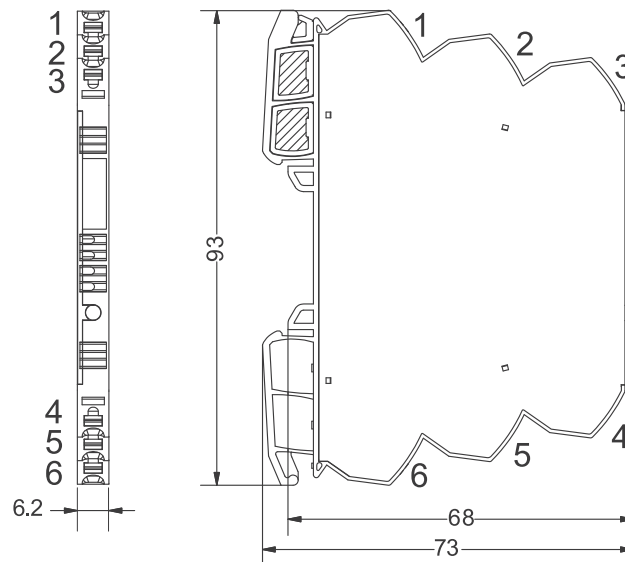
Technical data sheet

Interface Technology · LCIS Mechanical Relay

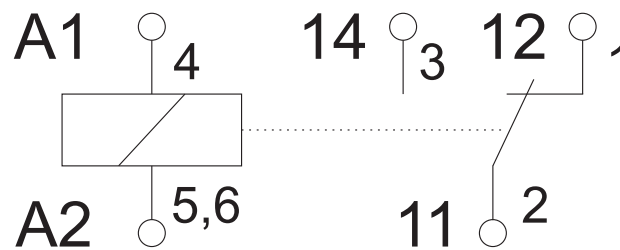
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

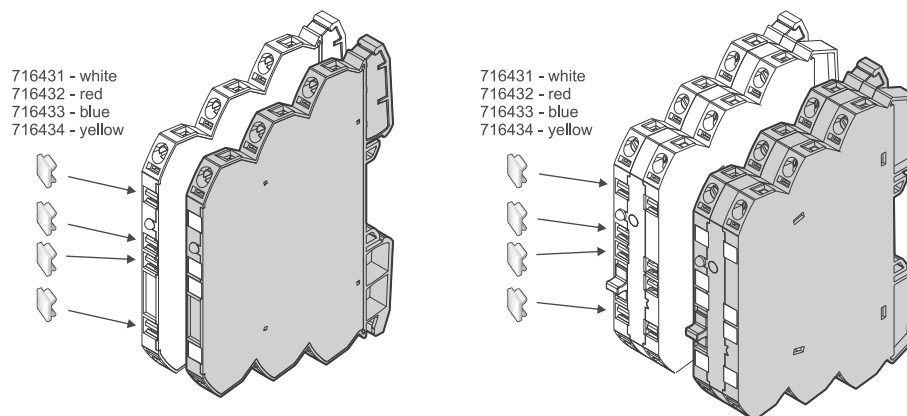
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE24UP-PI-1U-HTV
Part No.	761024.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 24 V
Input voltage range	19.2 V – 30 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	10.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<2.0 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

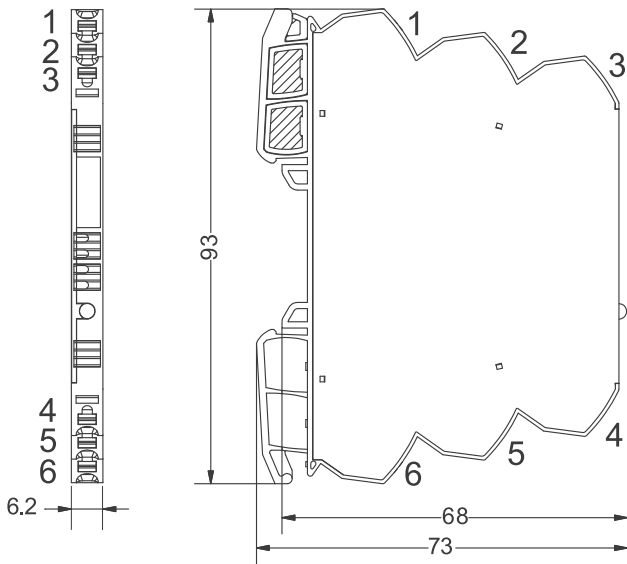
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

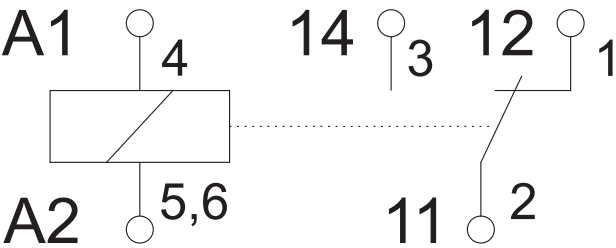
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



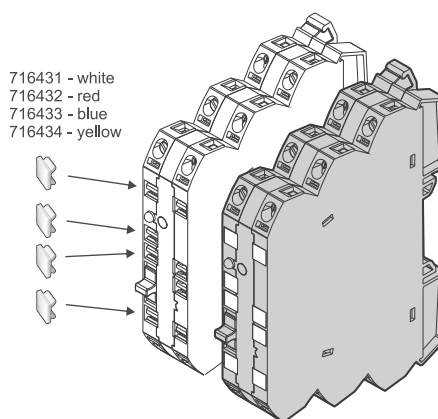
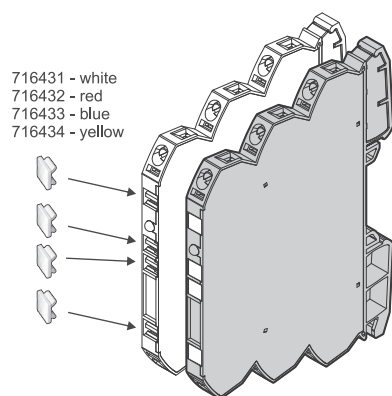
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGA120UP-PI-1U
Part No.	761051.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

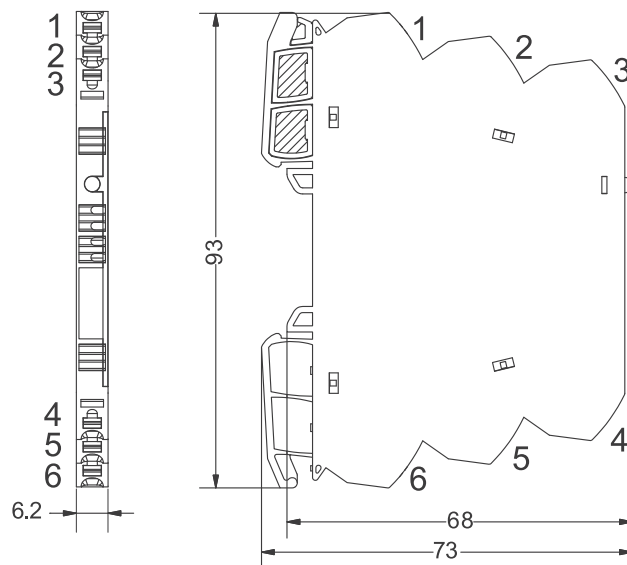
Technical data sheet

Interface Technology · LCIS Mechanical Relay

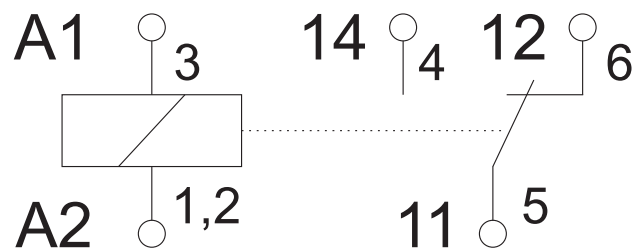
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

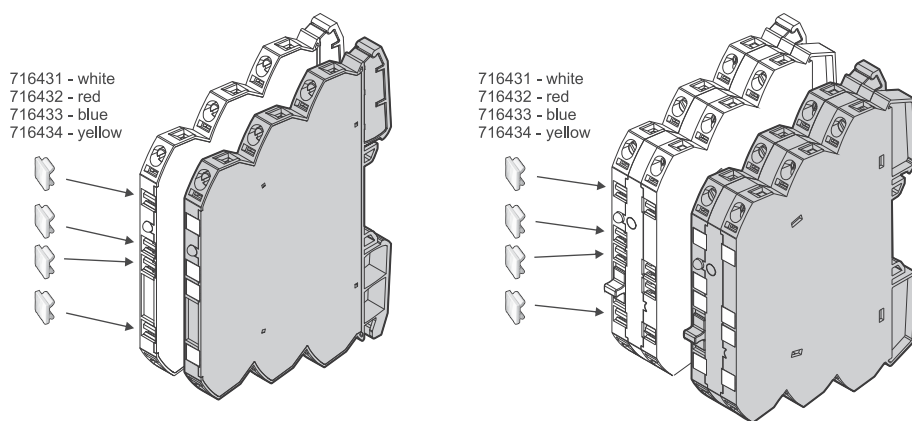
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA120UP-PI-1U-HTV
Part No.	761051.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
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Technical data sheet

Interface Technology · LCIS Mechanical Relay

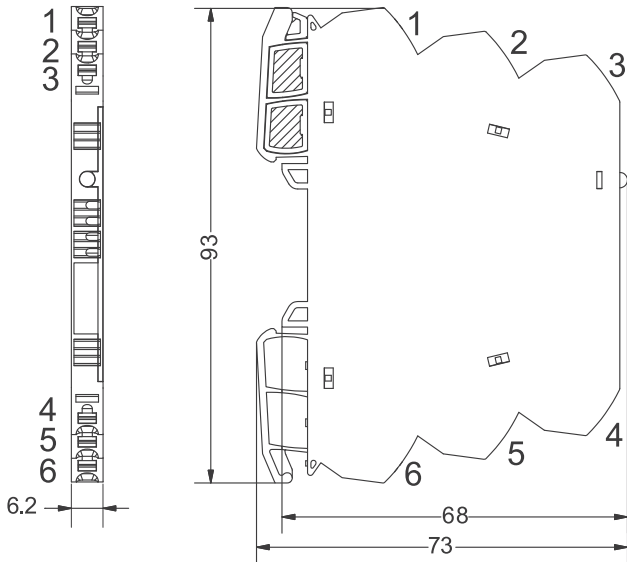
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

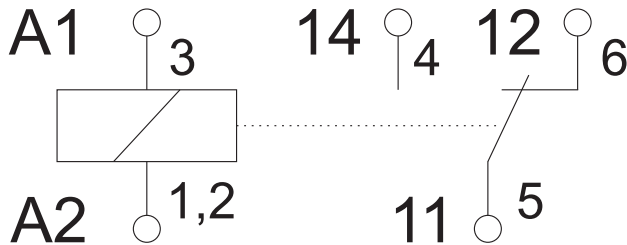
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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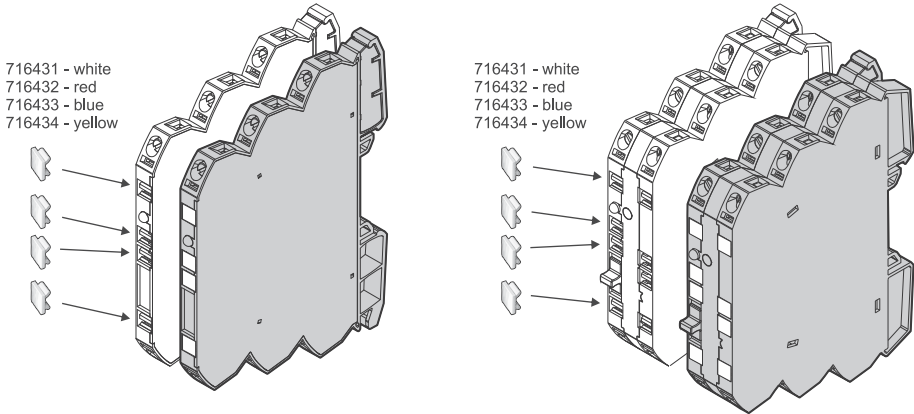
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS120UP-PI-1U
Part No.	761051.1000

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

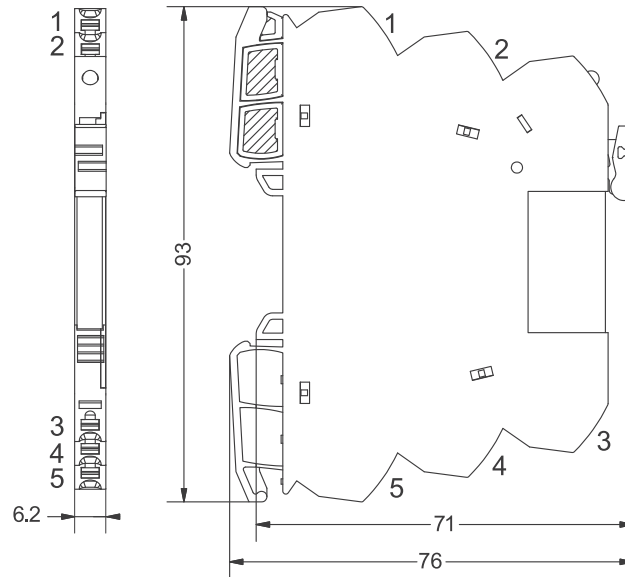
Technical data sheet

Interface Technology · LCIS Mechanical Relay

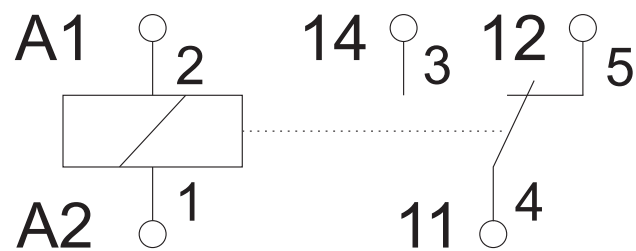
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

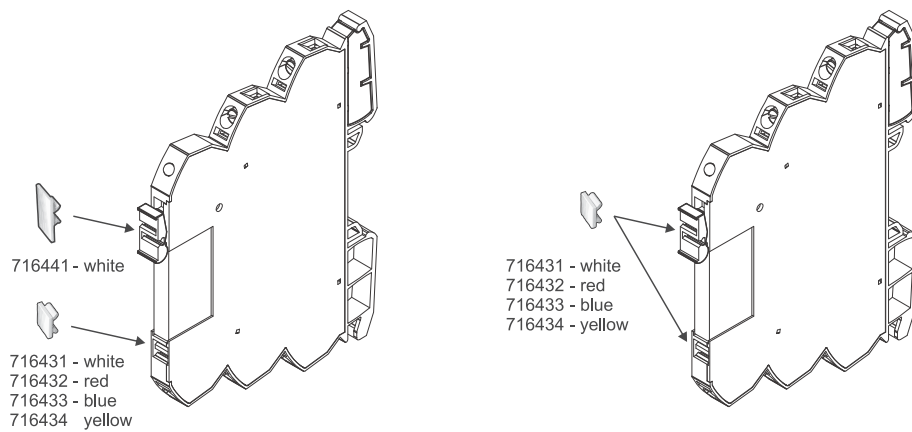
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS120UP-PI-1U-HTV
Part No.	761051.1010

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

Interface Technology · LCIS Mechanical Relay

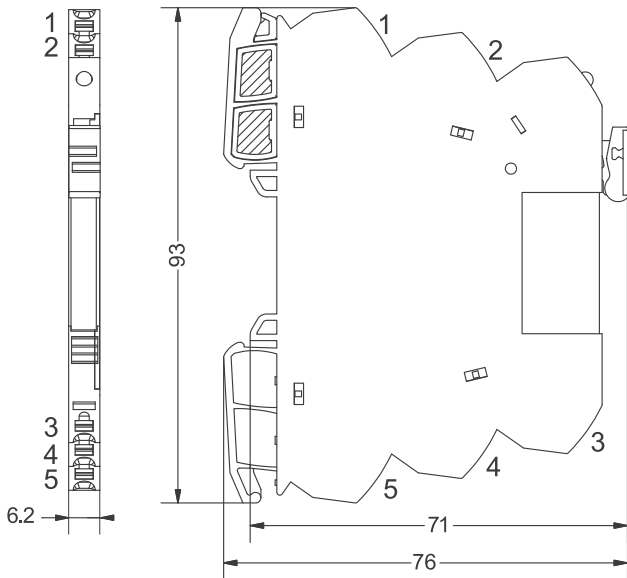
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

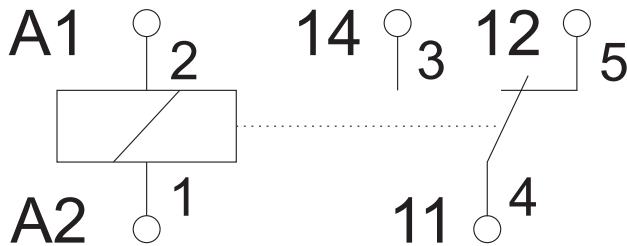
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



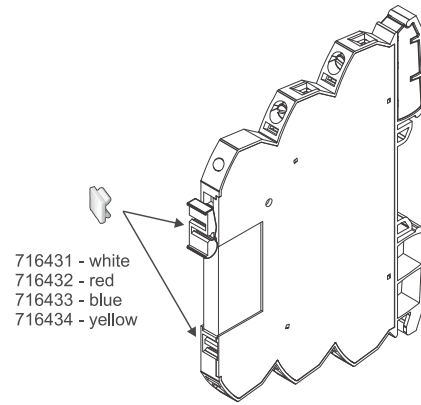
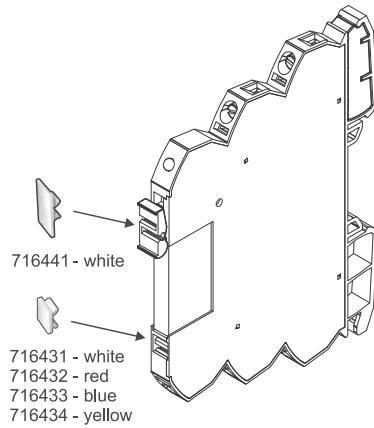
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE120UP-PI-1U
Part No.	761054.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

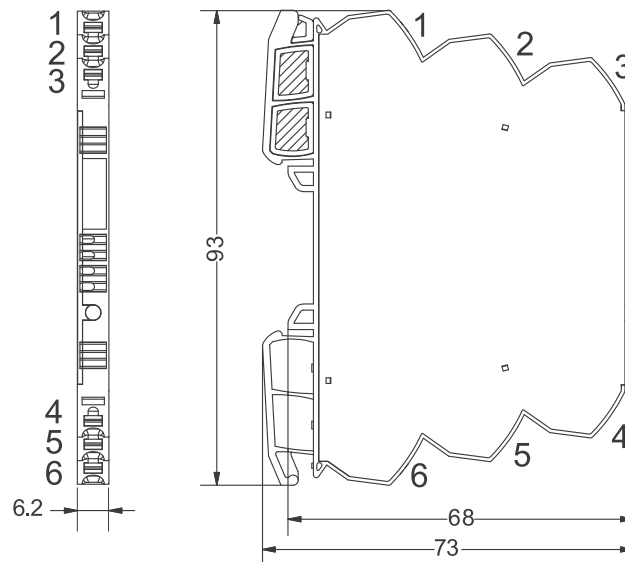
Technical data sheet

Interface Technology · LCIS Mechanical Relay

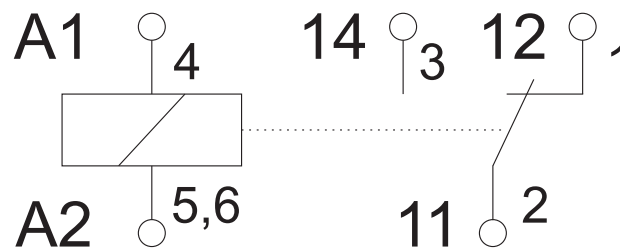
Standards

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EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

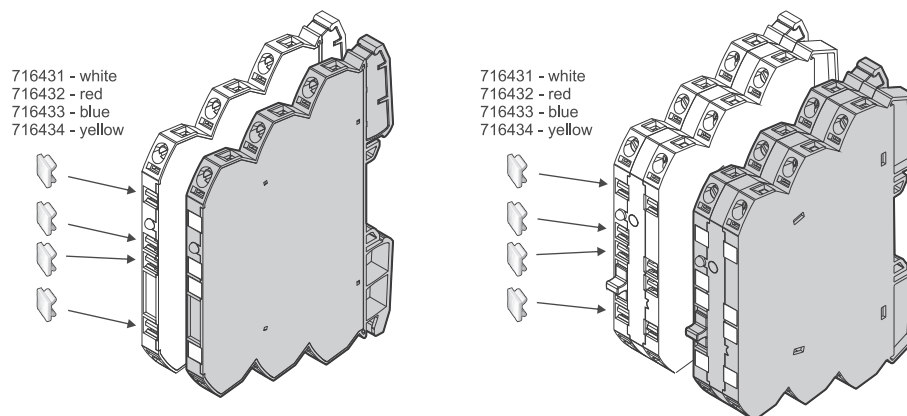
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE120UP-PI-1U-HTV
Part No.	761054.0010

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

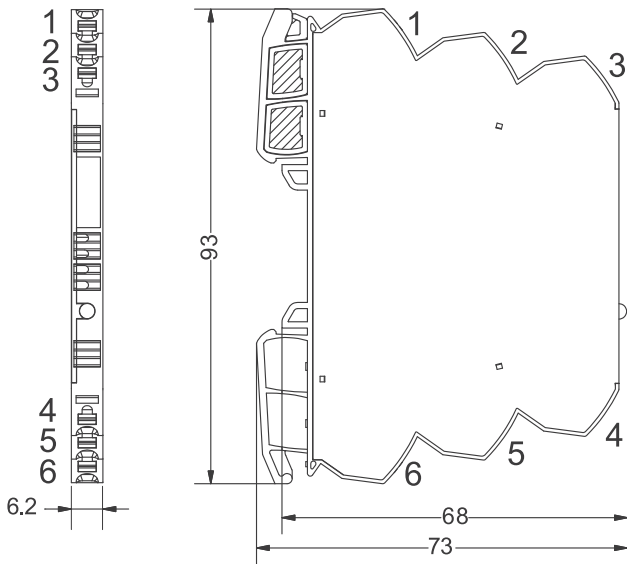
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

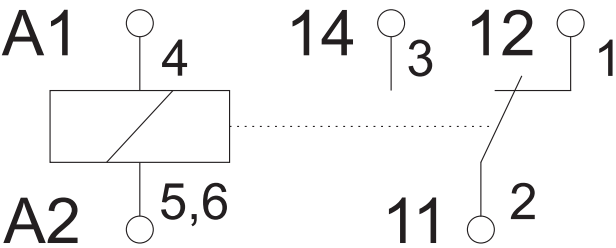
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



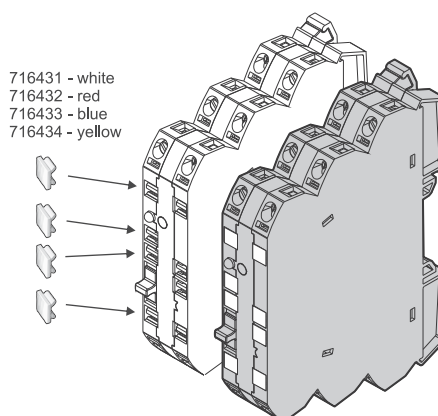
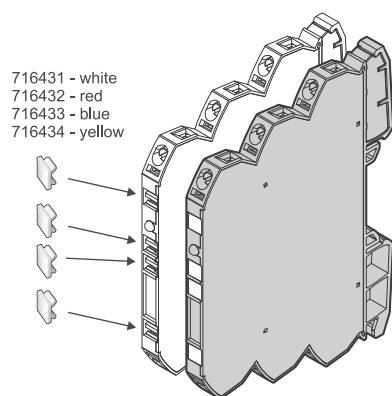
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGA230UP-PI-1U-HTV
Part No.	761061.0010

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
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Technical data sheet

Interface Technology · LCIS Mechanical Relay

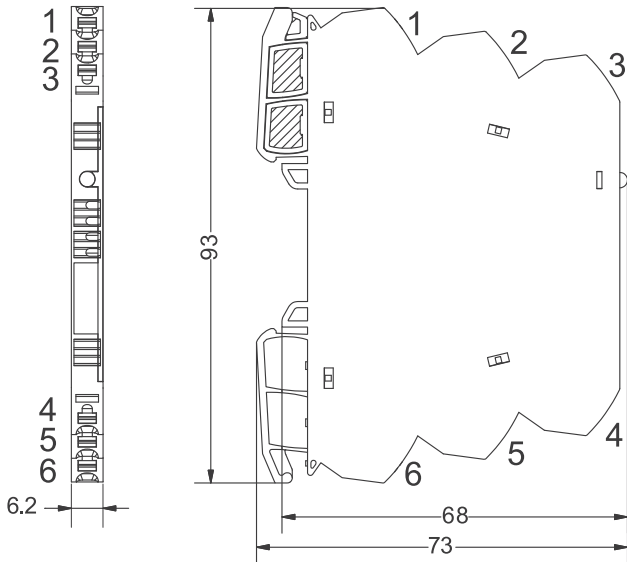
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

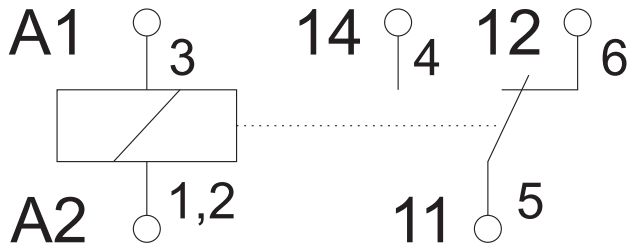
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



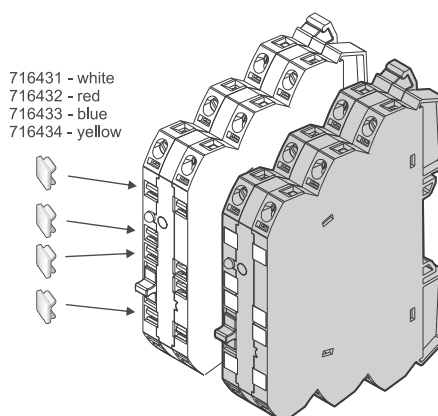
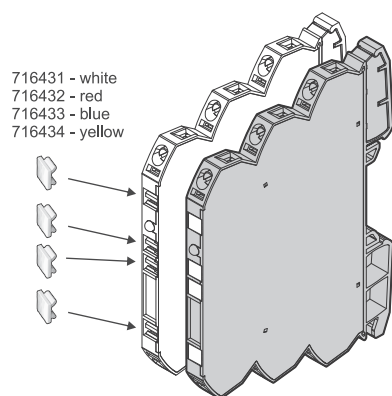
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS230UP-PI-1U
Part No.	761061.1000

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.8 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

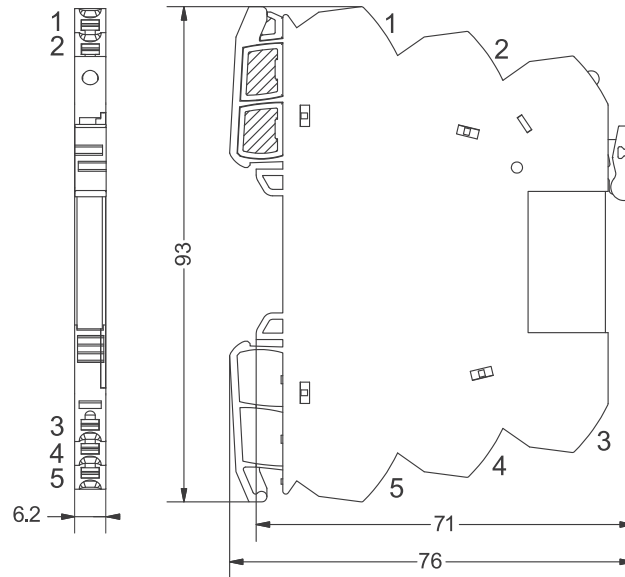
Technical data sheet

Interface Technology · LCIS Mechanical Relay

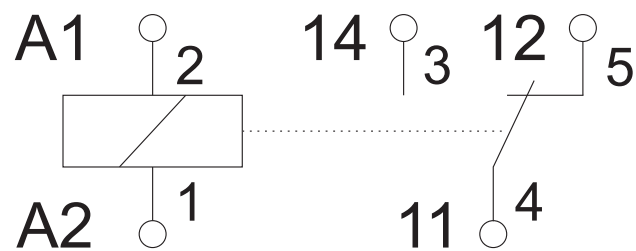
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

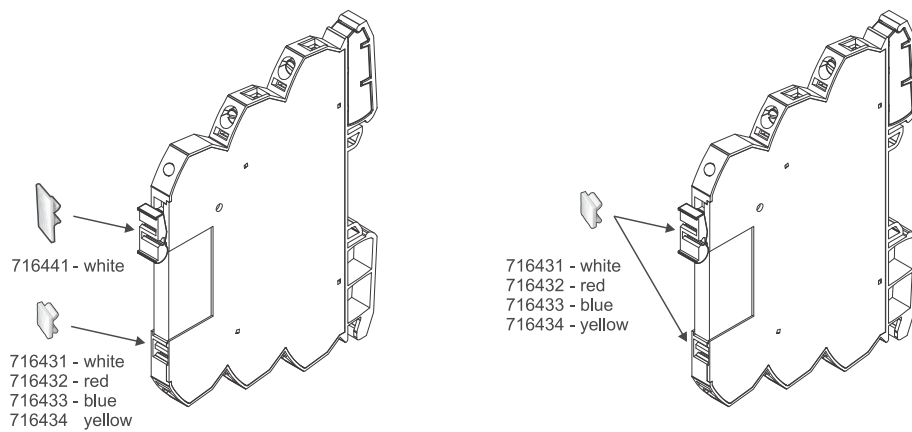
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RS230UP-PI-1U-HTV
Part No.	761061.1010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.8 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	8 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

Interface Technology · LCIS Mechanical Relay

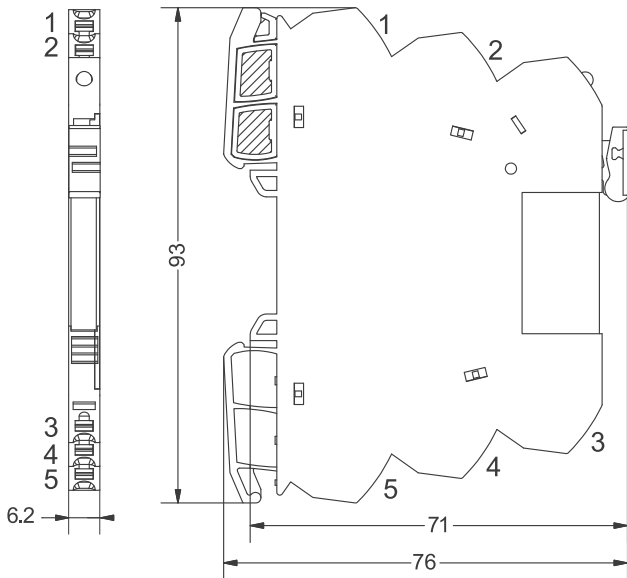
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

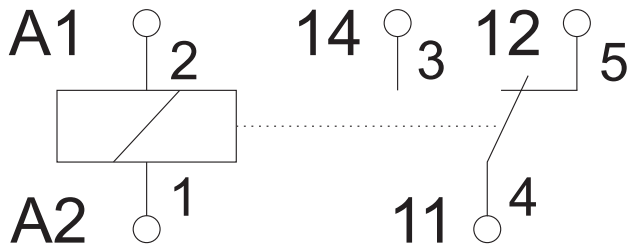
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



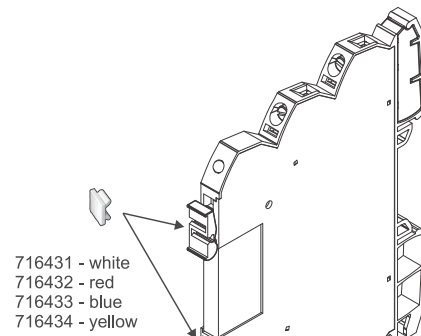
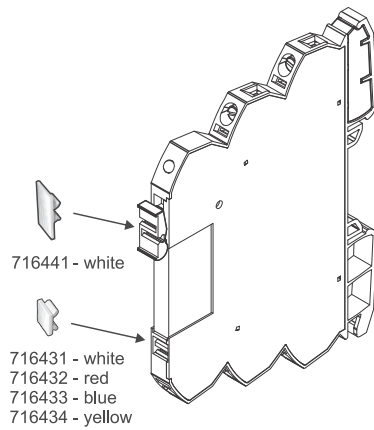
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RGE230UP-PI-1U
Part No.	761064.0000

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

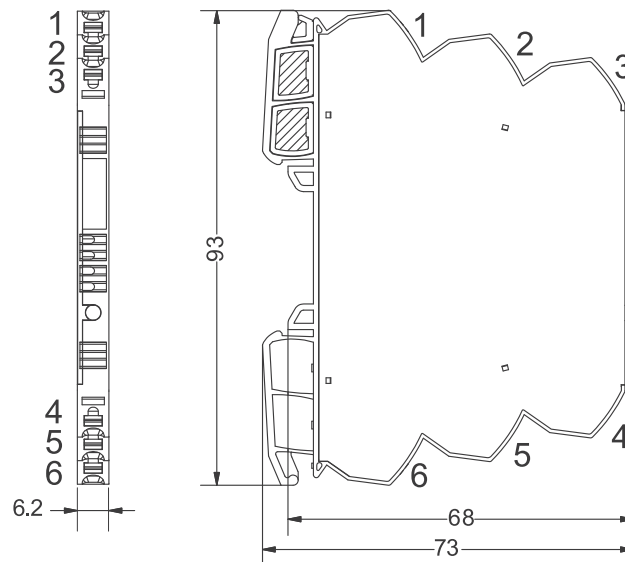
Technical data sheet

Interface Technology · LCIS Mechanical Relay

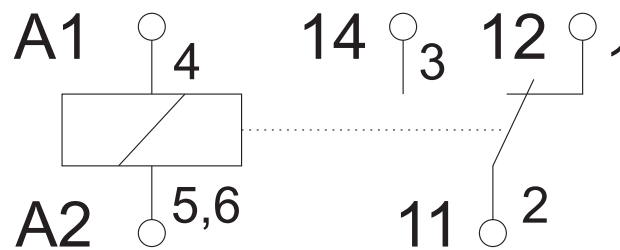
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

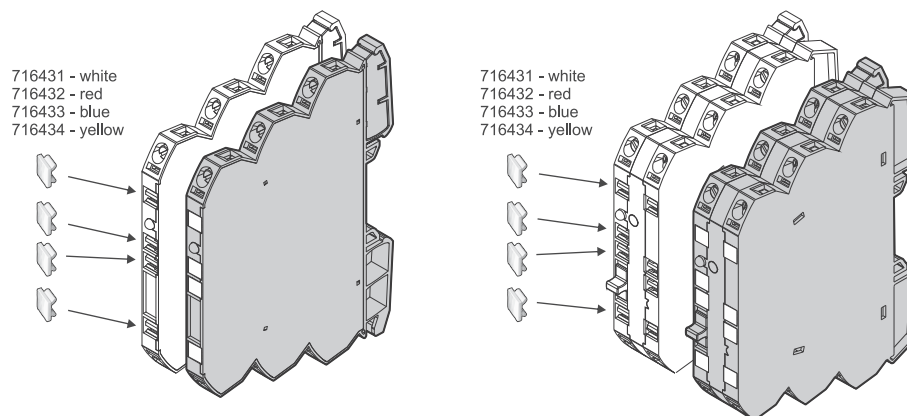
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Mechanical Relay

Input Relay Interface, relay with 1 directional contact / SPDT relay

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂ + 5 µm HV



Identification

Type	LCIS-RGE230UP-PI-1U-HTV
Part No.	761064.0010

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	AC/DC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.6 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<12.7 V

Output

Contact type	1 changeover contacts / SPDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Max. switching capacity	1500 VA / 144 W
Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Inrush current	16 A (4 ms)
Switch-on delay	10 ms
Shutdown delay	15 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

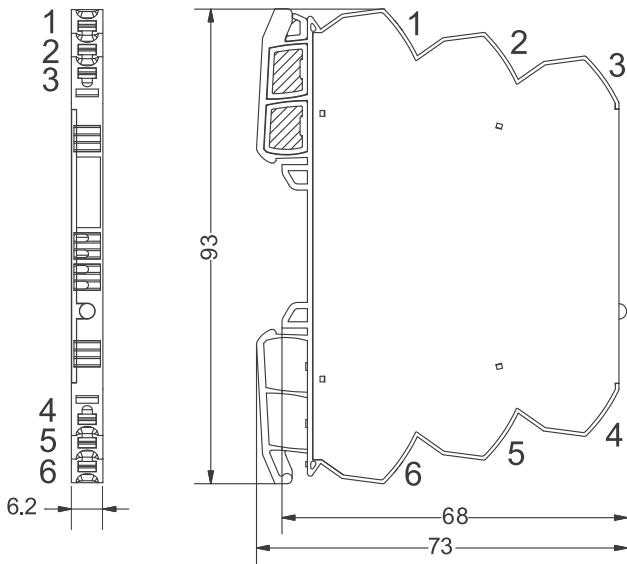
Interface Technology · LCIS Mechanical Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

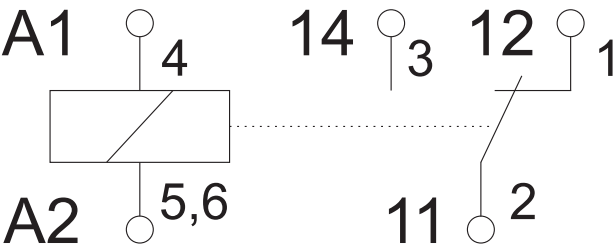
Notes and Comments

Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.
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Dimensions



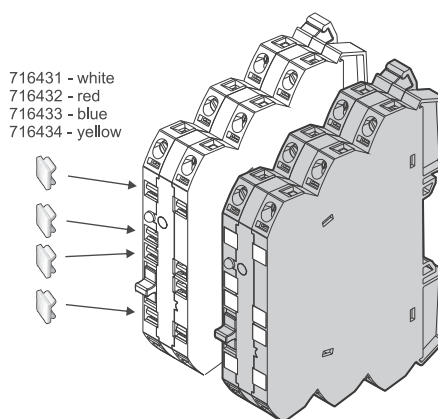
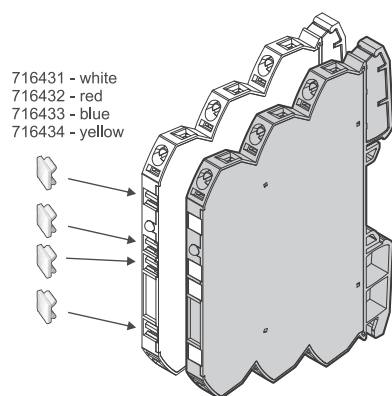
PIN assignment



Technical data sheet

Interface Technology · LCIS Mechanical Relay

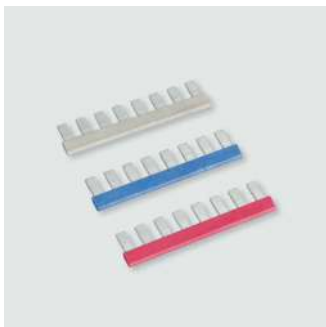
Use



Technical data sheet

Jumper comb

Jumper comb red



Identification

Type	BK 7-2802 RT 2-polig
Part No.	762802

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 2-pin red
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	12.4 mm
Contact material	CuZn
Material	Vectra C130
Color	red
Flamability according to UL 94	V0
Weight/unit	0.001 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

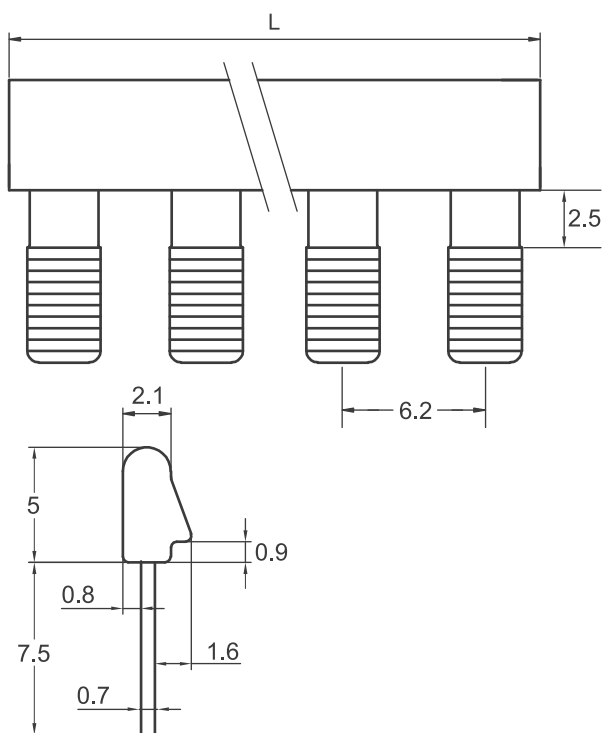
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	2

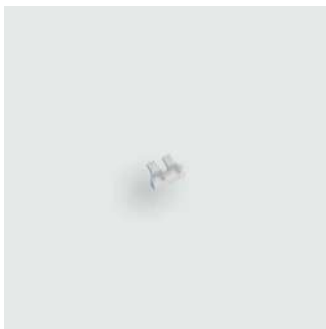
Dimensions



Technical data sheet

Jumper comb

Jumper comb white



Identification

Type	BK 7-2803 WS 2-polig
Part No.	762803

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 2-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	12.4 mm
Contact material	CuZn
Material	Vectra C130
Color	white
Flamability according to UL 94	V0
Weight/unit	0.00055 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

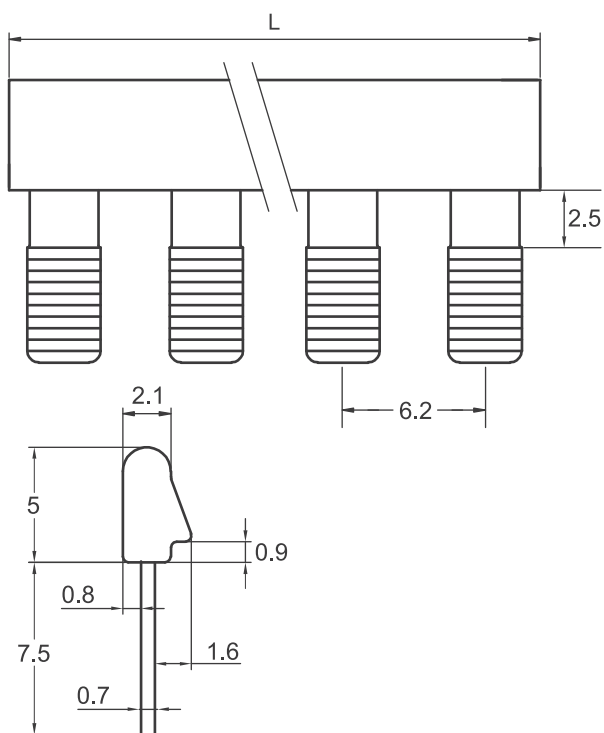
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	2

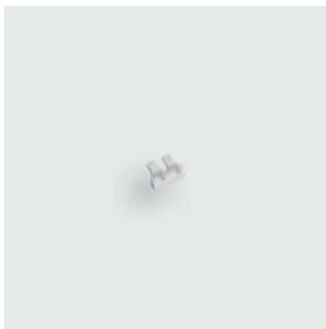
Dimensions



Technical data sheet

Jumper combs

Insulated jumper combs white



Identification

Type	LCIS-BKW-2-polig
Part No.	762803.1000

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 2-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	12.4 mm
Contact material	CuZn
Material	Frianyl A3 RV0
Color	white
Flamability according to UL 94	V0
Weight/unit	0.011 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

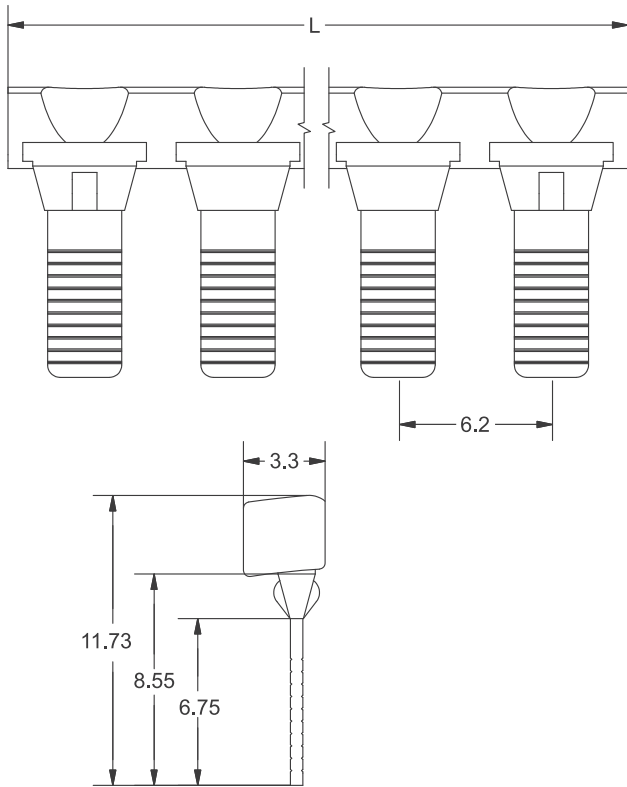
Technical data sheet

Jumper combs

Technical data

Rated current	DC 6 A
Pole number	2

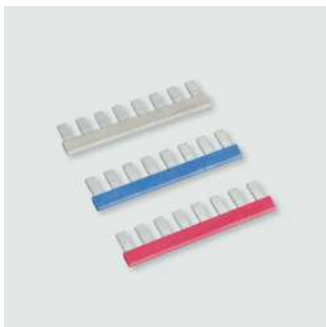
Dimensions



Technical data sheet

Jumper comb

Jumper comb blue



Identification

Type	BK 7-2804 BL 2-polig
Part No.	762804

Product version

Datasheet version	01
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General

Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	12.4 mm
Contact material	CuZn
Material	Vectra C130
Color	blue
Flamability according to UL 94	V0
Weight/unit	0.001 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

Technical data

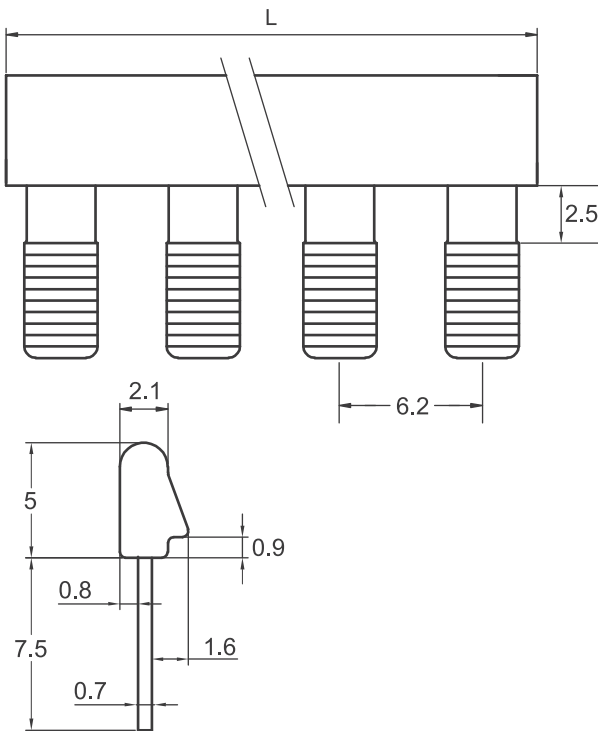
Rated current	DC 6 A
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Technical data sheet

Jumper comb

Pole number 2

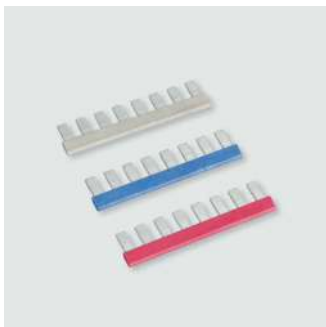
Dimensions



Technical data sheet

Jumper comb

Jumper comb red



Identification

Type	BK 7-2805 RT 3-polig
Part No.	762805

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 3-pin red
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	18.6 mm
Contact material	CuZn
Material	Vectra C130
Color	red
Flamability according to UL 94	V0
Weight/unit	0.0015 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

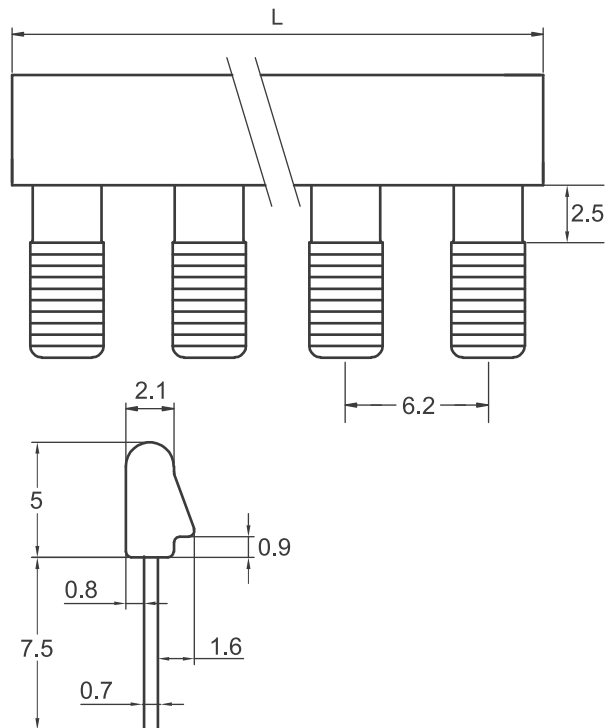
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	3

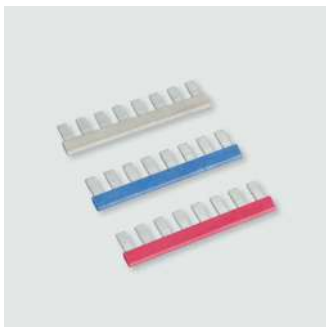
Dimensions



Technical data sheet

Jumper comb

Jumper comb white



Identification

Type	BK 7-2806 WS 3-polig
Part No.	762806

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 3-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	18.6 mm
Contact material	CuZn
Material	Vectra C130
Color	white
Flamability according to UL 94	V0
Weight/unit	0.0008 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

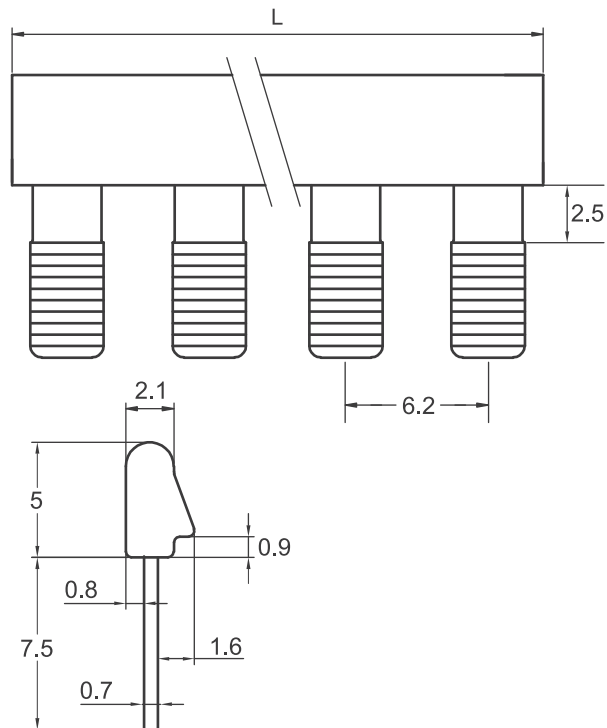
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	3

Dimensions



Technical data sheet

Jumper comb

Jumper comb blue



Identification

Type	BK 7-2807 BL 3-polig
Part No.	762807

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 3-pin blue
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	18.6 mm
Contact material	CuZn
Material	Vectra C130
Color	blue
Flamability according to UL 94	V0
Weight/unit	0.0015 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

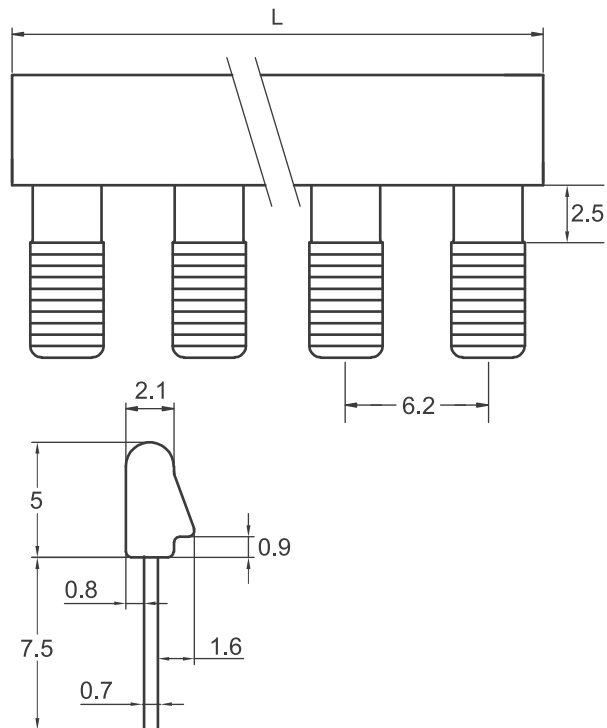
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	3

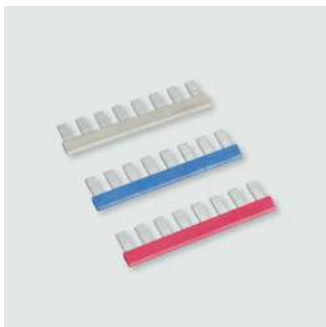
Dimensions



Technical data sheet

Jumper comb

Jumper comb red



Identification

Type	BK 7-2812 RT 4-polig
Part No.	762812

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 4-pin red
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	24.8 mm
Contact material	CuZn
Material	Vectra C130
Color	red
Flamability according to UL 94	V0
Weight/unit	0.002 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

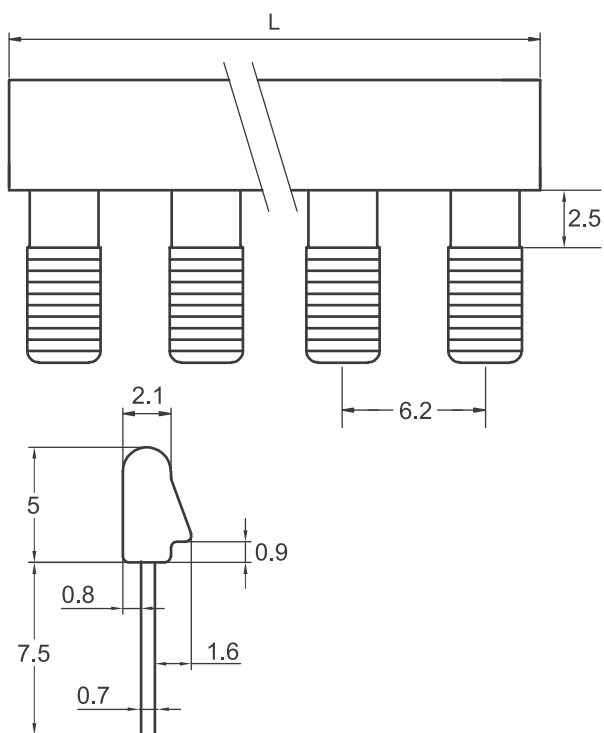
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	4

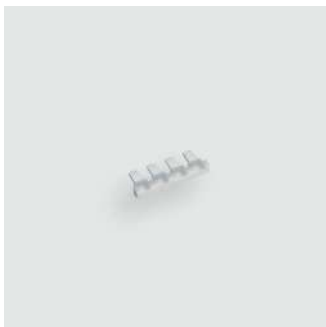
Dimensions



Technical data sheet

Jumper comb

Jumper comb white



Identification

Type	BK 7-2813 WS 4-polig
Part No.	762813

Product version

Datasheet version	01
-------------------	----

General

Accessories	Jumper comb 6 A 4-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	24.8 mm
Contact material	CuZn
Material	Vectra C130
Color	white
Flamability according to UL 94	V0
Weight/unit	0.0011 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

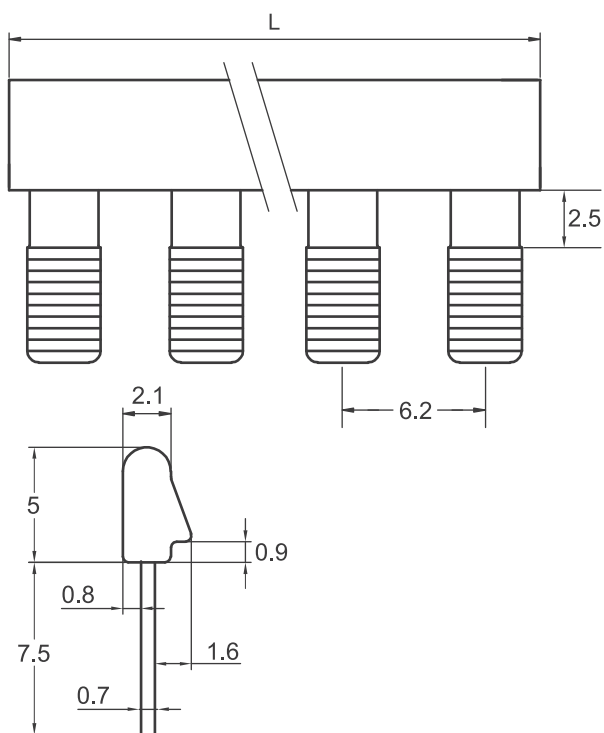
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	4

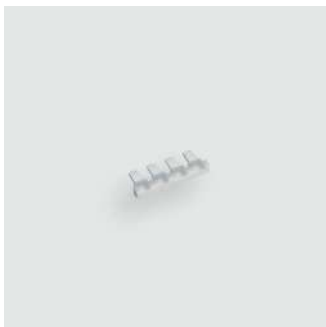
Dimensions



Technical data sheet

Jumper combs

Insulated jumper combs white



Identification

Type	LCIS-BKW-4-polig
Part No.	762813.1000

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 4-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	24.8 mm
Contact material	CuZn
Material	Frianyl A3 RV0
Color	white
Flamability according to UL 94	V0
Weight/unit	0.011 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

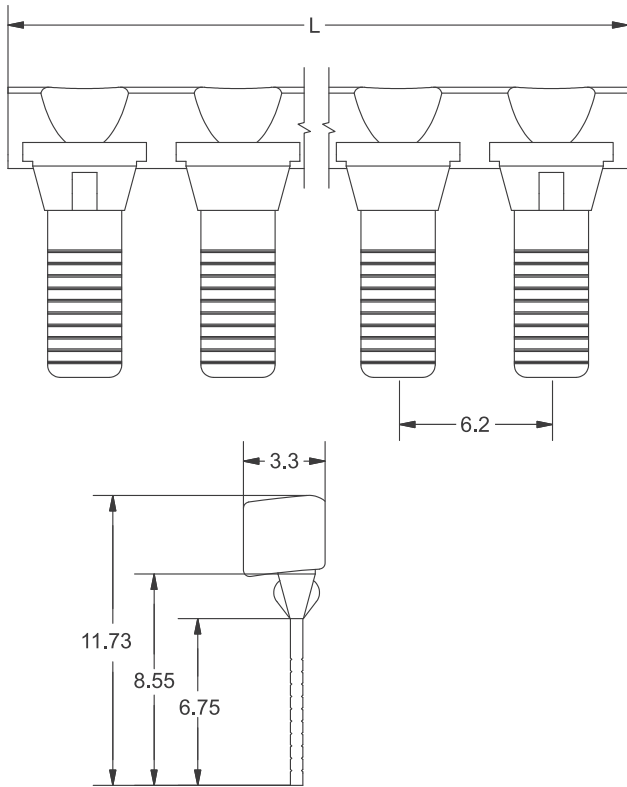
Technical data sheet

Jumper combs

Technical data

Rated current	DC 6 A
Pole number	4

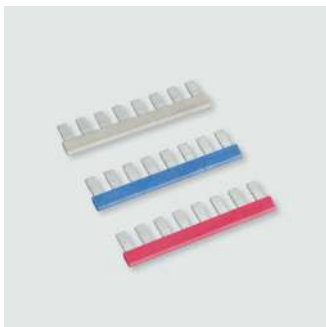
Dimensions



Technical data sheet

Jumper comb

Jumper comb blue



Identification

Type	BK 7-2814 BL 4-polig
Part No.	762814

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 4-pin blue
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	24.8 mm
Contact material	CuZn
Material	Vectra C130
Color	blue
Flamability according to UL 94	V0
Weight/unit	0.002 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

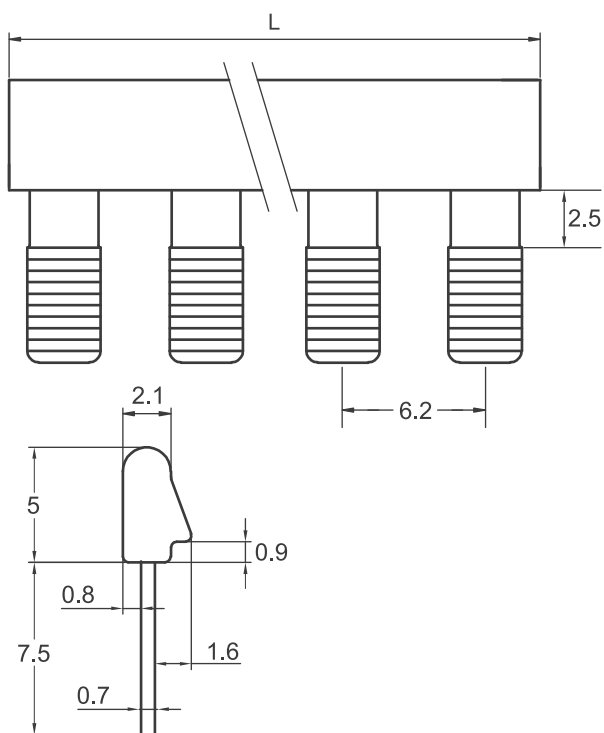
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	4

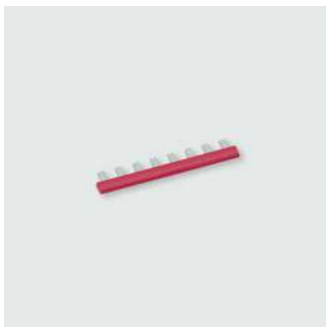
Dimensions



Technical data sheet

· Jumper comb

Jumper comb red



Identification

Type	BK 7-2822 RT 8-polig
Part No.	762822

Product version

Datasheet version	02
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General

Accessories	Jumper comb 6 A 8-pin red
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	49.6 mm
Contact material	CuZn
Material	Vectra C130
Color	red
Flamability according to UL 94	V0
Weight/unit	0.003 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

Technical data sheet

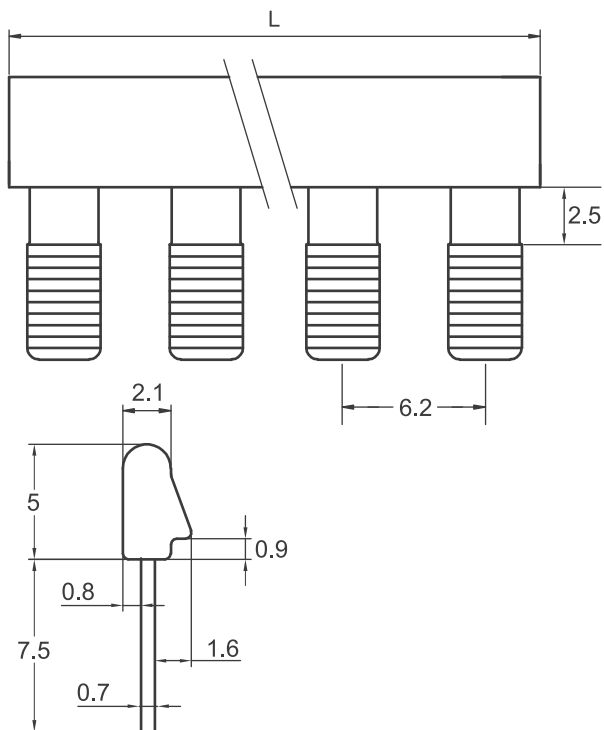
· Jumper comb

Technical data

Rated current DC 6 A

Pole number 8

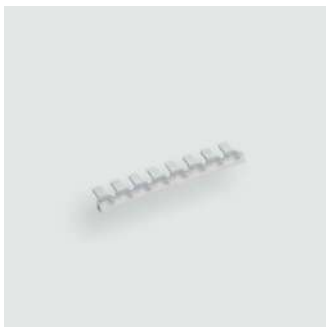
Dimensions



Technical data sheet

Jumper comb

Jumper comb white



Identification

Type	BK 7-2823 WS 8-polig
Part No.	762823

Product version

Datasheet version	02
-------------------	----

General

Accessories	Jumper comb 6 A 8-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	49.6 mm
Contact material	CuZn
Material	Vectra C130
Color	white
Flamability according to UL 94	V0
Weight/unit	0.0022 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

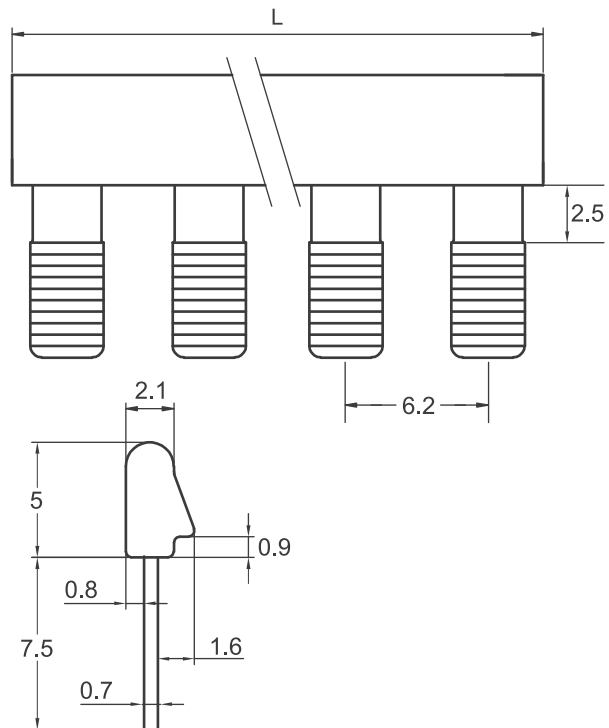
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	8

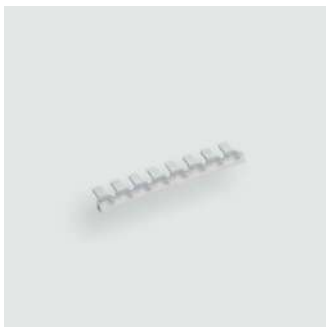
Dimensions



Technical data sheet

Jumper combs

Insulated jumper combs white



Identification

Type	LCIS-BKW-8-polig
Part No.	762823.1000

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 8-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	49.6 mm
Contact material	CuZn
Material	Frianyl A3 RV0
Color	white
Flamability according to UL 94	V0
Weight/unit	0.011 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

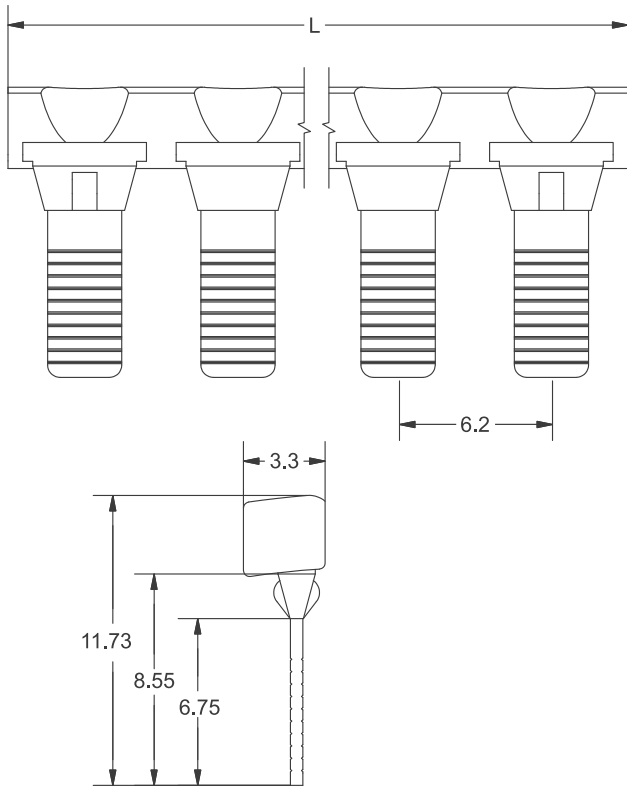
Technical data sheet

Jumper combs

Technical data

Rated current	DC 6 A
Pole number	8

Dimensions



Technical data sheet

Jumper comb

Jumper comb blue



Identification

Type	BK 7-2824 BL 8-polig
Part No.	762824

Product version

Datasheet version	02
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General

Accessories	Jumper comb 6 A 8-pin blue
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	49.6 mm
Contact material	CuZn
Material	Vectra C130
Color	blue
Flamability according to UL 94	V0
Weight/unit	0.003 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

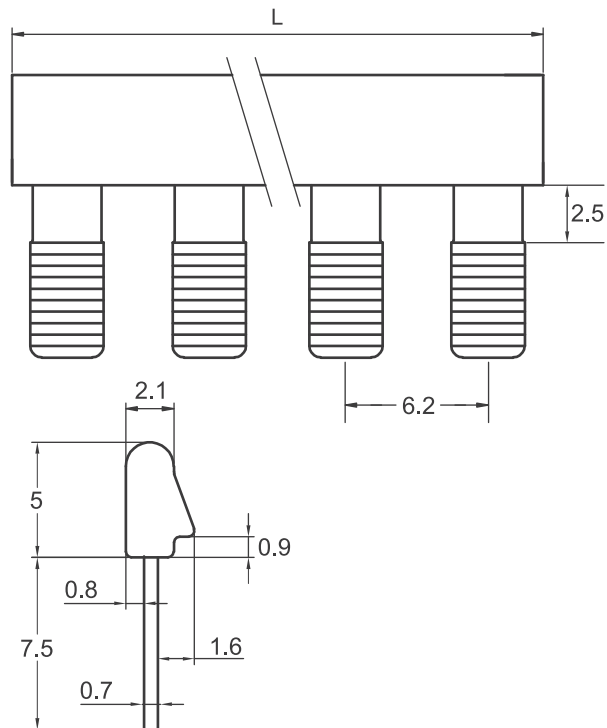
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	8

Dimensions



Technical data sheet

Jumper comb

Jumper comb red



Identification

Type	BK 7-2832 RT 16-polig
Part No.	762832

Product version

Datasheet version	02
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General

Accessories	Jumper comb 6 A 16-pin red
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	99.2 mm
Contact material	CuZn
Material	Vectra C130
Color	red
Flamability according to UL 94	V0
Weight/unit	0.004 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

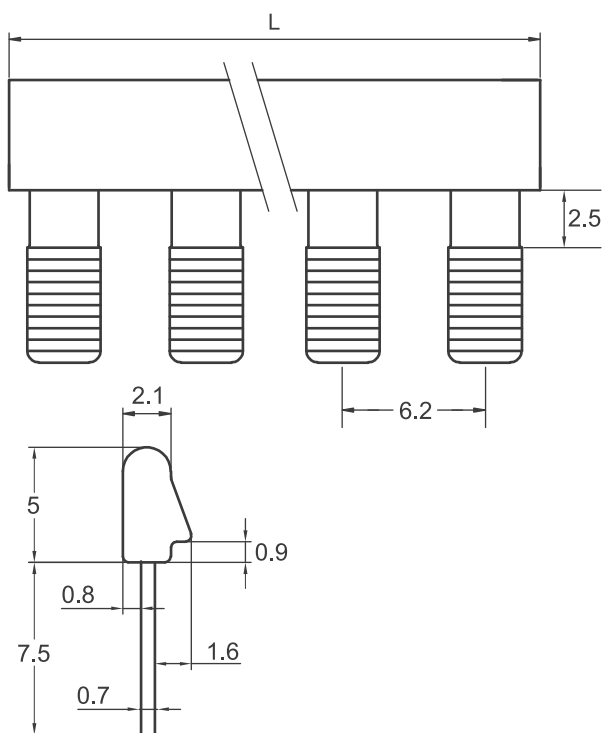
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	16

Dimensions



Technical data sheet

Jumper comb

Jumper comb white



Identification

Type	BK 7-2833 WS 16-polig
Part No.	762833

Product version

Datasheet version	02
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General

Accessories	Jumper comb 6 A 16-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	99.2 mm
Contact material	CuZn
Material	Vectra C130
Color	white
Flamability according to UL 94	V0
Weight/unit	0.0044 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

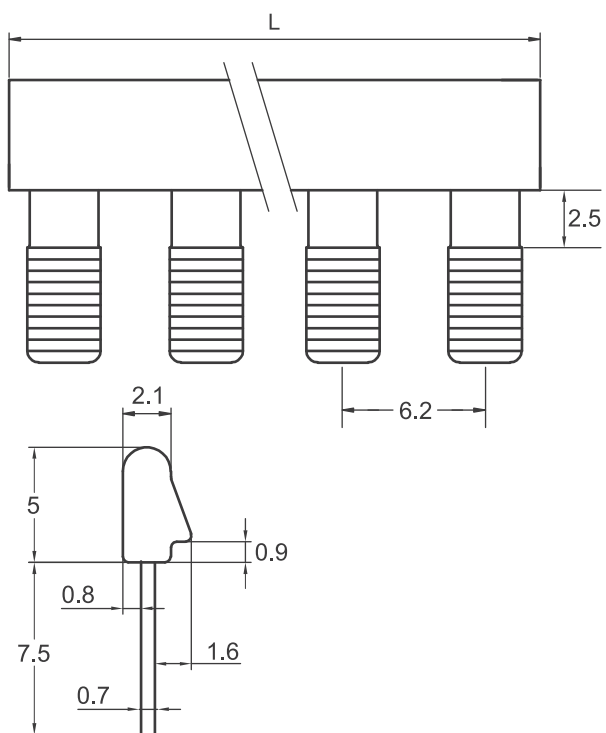
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	16

Dimensions



Technical data sheet

Jumper combs

Insulated jumper combs white



Identification

Type	LCIS-BKW-16-polig
Part No.	762833.1000

Product version

Datasheet version	01
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General

Accessories	Jumper comb 6 A 16-pin white
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	99.2 mm
Contact material	CuZn
Material	Frianyl A3 RV0
Color	white
Flamability according to UL 94	V0
Weight/unit	0.011 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

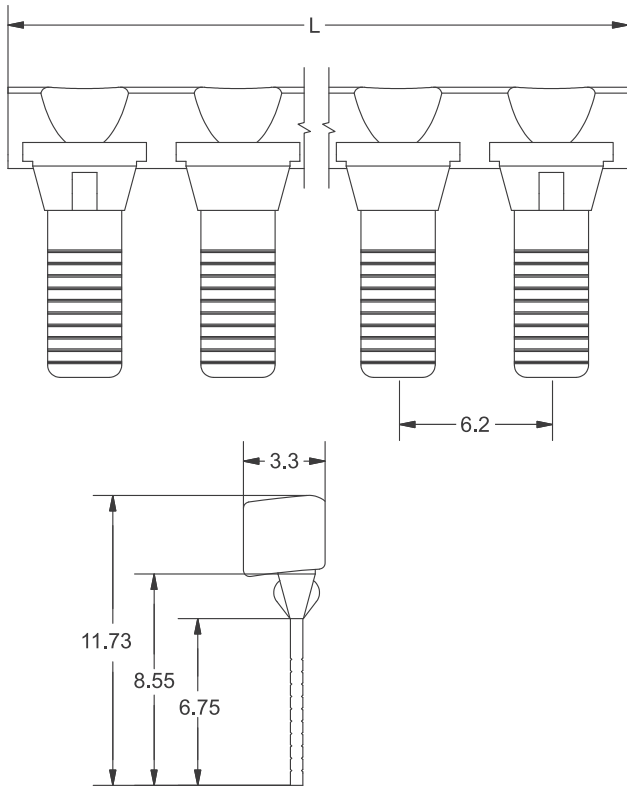
Technical data sheet

Jumper combs

Technical data

Rated current	DC 6 A
Pole number	16

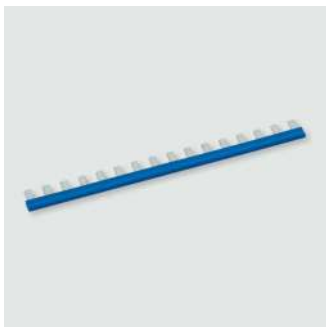
Dimensions



Technical data sheet

Jumper comb

Jumper comb blue



Identification

Type	BK 7-2834 BL 16-polig
Part No.	762834

Product version

Datasheet version	02
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General

Accessories	Jumper comb 6 A 16-pin blue
Connection type	plug-in
Contact design	Flat contact 0.5 mm Ribbing on the sides
Pin spacing	6.2 mm
Length	99.2 mm
Contact material	CuZn
Material	Vectra C130
Color	blue
Flamability according to UL 94	V0
Weight/unit	0.004 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +80 °C
Storage temperature range	-40 °C ... +80 °C

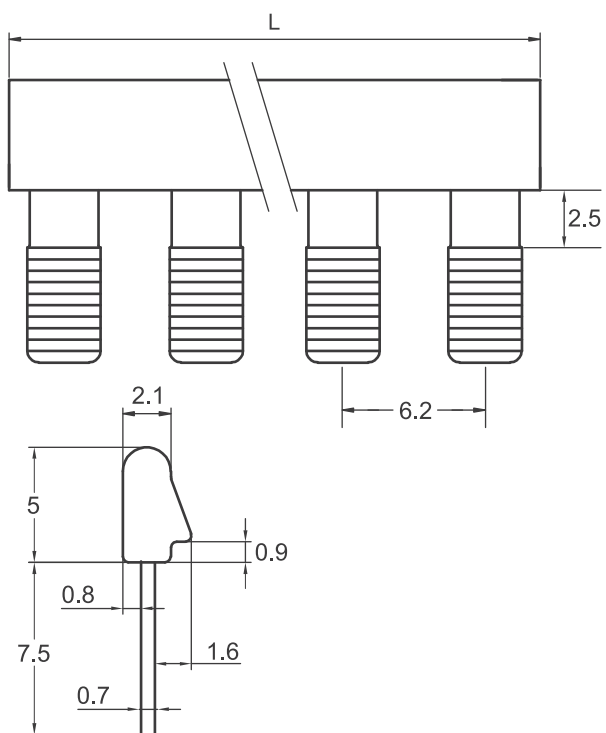
Technical data sheet

Jumper comb

Technical data

Rated current	DC 6 A
Pole number	16

Dimensions



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology
Switching element DC 24 V / DC 0,5 A / 20 kHz
Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200091-S
Part No.	763020.0091

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage	+A1: 19.2 - 30 V / +A3: 4.2 - 30 V
Rated current I_N	+A1: DC 12 mA / +A3: DC 0.7 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>4.2 V
Interrupting voltage	<2.7 V

Output

Switching element	Transistor N/O contact
Min. switching voltage	DC 5 V
Max. switching voltage	DC 31.2 V
Min. switching current	DC 10 mA
Max. switching current	DC 0.5 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	DC - Operation: no Derating DC 0.5 A @ $\leq$ DC 24 V $\leq$ 10 kHz DC 0.2 A @ $\leq$ DC 24 V $\leq$ 20 kHz
Inrush current	2.5 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<15 μ s @ I_{max} , U_N
Shutdown delay	<20 μ s @ I_{max} , U_N
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	Approx. 20 kHz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	3.75 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

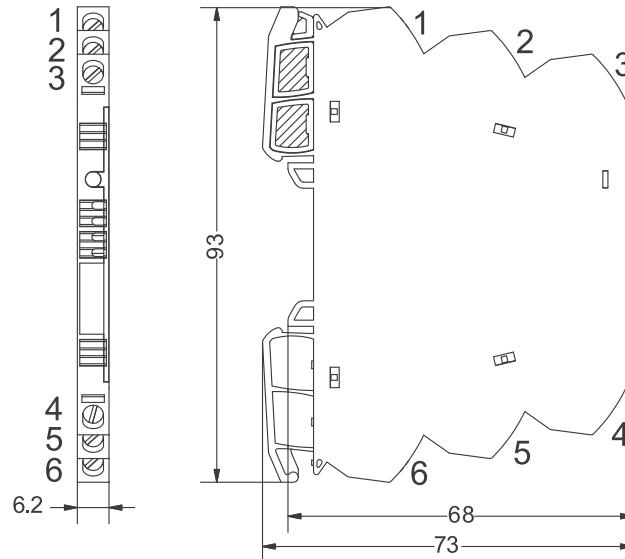
Technical data sheet

Interface Technology · LCIS Solid State Relay

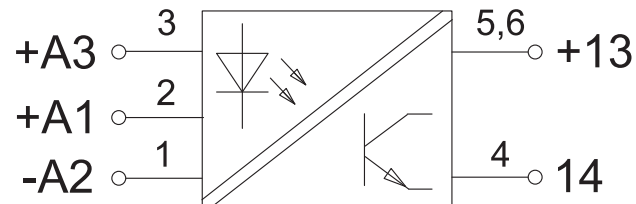
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

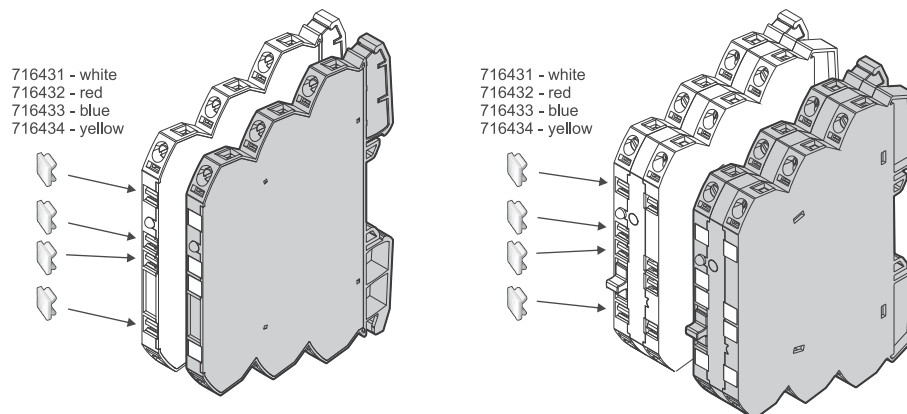
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. DC 60 V / 0,5 A, DC 60 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200110-S
Part No.	763020.0110

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Load	DC 60 V / 0.5 A
Input voltage range	11 V – 30 V
Rated current I_N	>4 mA
Protection device Input	Varistor
Status display input	LED green

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	1 mA
Max. switching current	0.5 A
Inrush current	10 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<400 μ s

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<2 ms
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 50 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

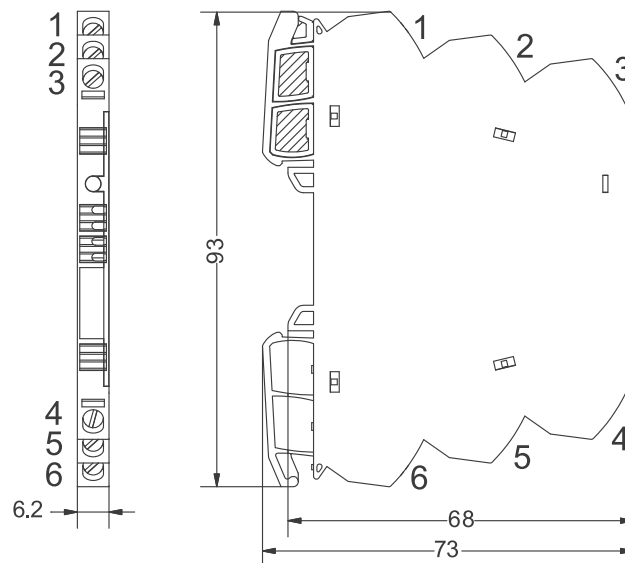
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2

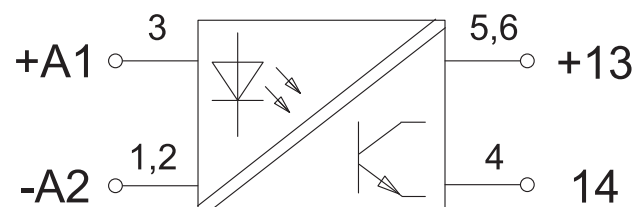
Technical data sheet

Interface Technology · LCIS Solid State Relay

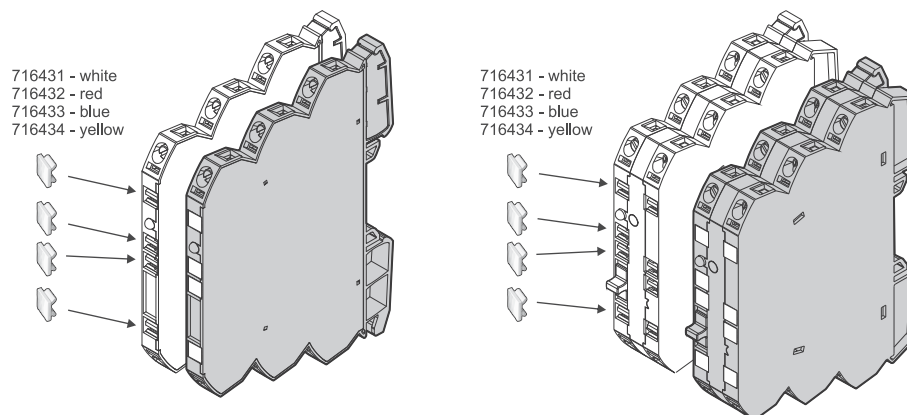
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. DC 60 V / 0,5 A, DC 60 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200120-S
Part No.	763020.0120

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Load	DC 60 V / 2 A
Input voltage range	11 V – 30 V
Rated current I_N	>4 mA
Protection device Input	Varistor
Status display input	LED green

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	1 mA
Max. switching current	2 A
Inrush current	10 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<400 μ s

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<2 ms
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 50 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

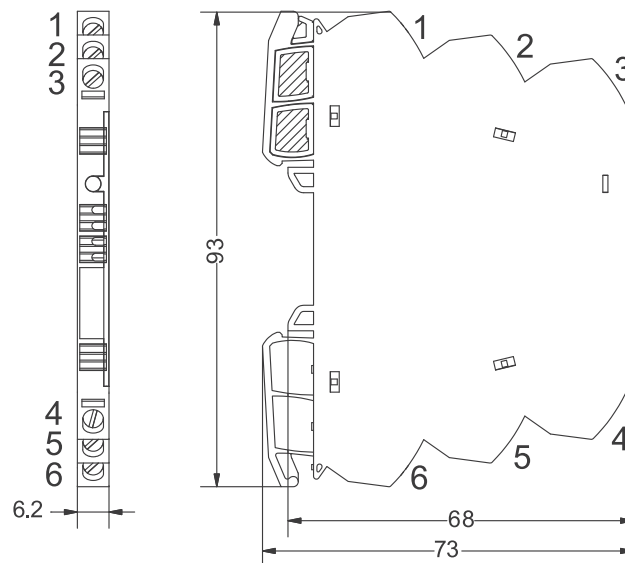
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

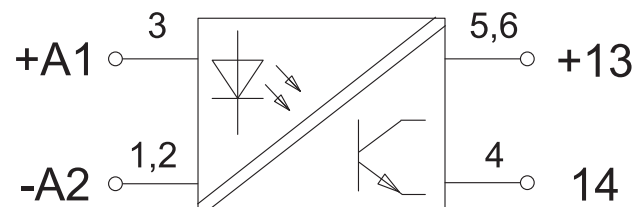
Technical data sheet

Interface Technology · LCIS Solid State Relay

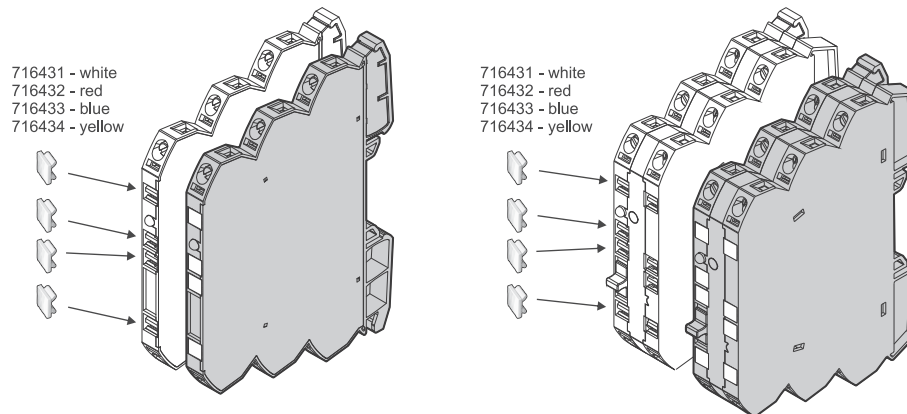
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element DC 60 V / DC 5 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200130-S
Part No.	763020.0130

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 10 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<14 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	DC 1 mA
Max. switching current	DC 5 A @ 100 % ED
Inrush current	25 A/20 ms @ 1 Hz

Technical data sheet

Interface Technology · LCIS Solid State Relay

Leak current	<1 µA
Switch-on delay	<250 µs @ I _{max}
Shutdown delay	<150 µs @ I _{max}
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	1 kHz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

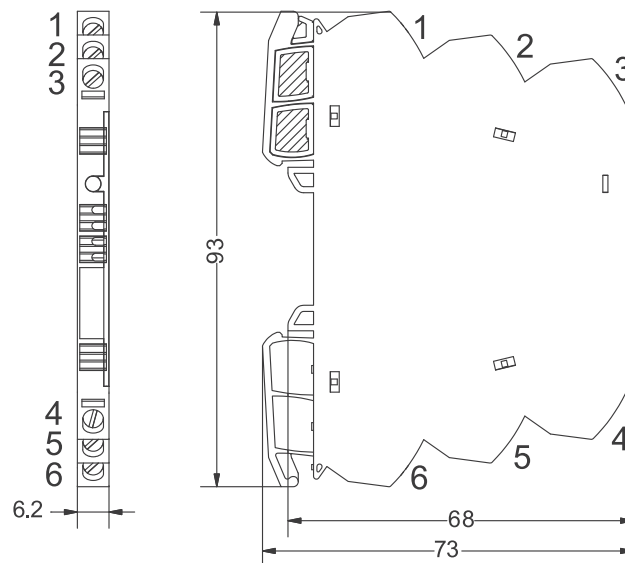
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145)

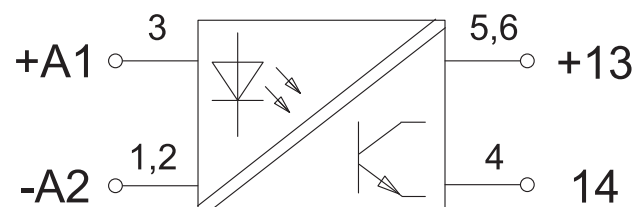
Technical data sheet

Interface Technology · LCIS Solid State Relay

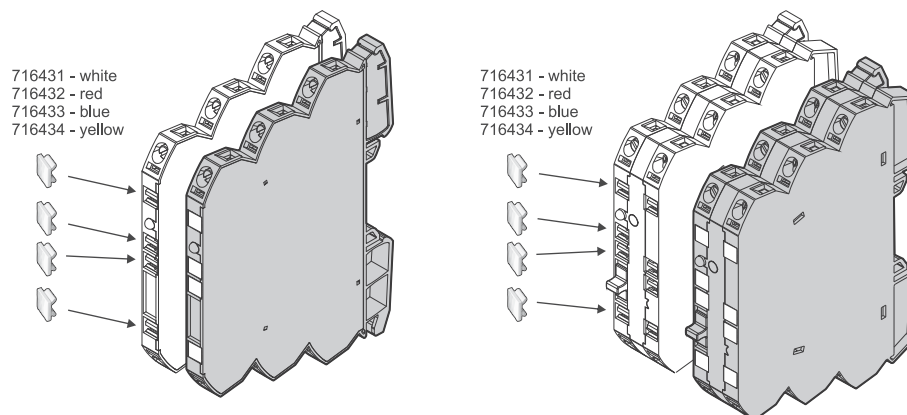
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. AC 230 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC/AC-2L-200220-S
Part No.	763020.0220

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Load	AC 230 V/0.75 A
Input voltage range	11 V – 30 V
Rated current I_N	9 mA
Protection device Input	Varistor
Status display input	LED green
Interrupting voltage	<9 V

Output

Switching element	Triac N/O contact
Min. switching voltage	AC 20 V
Max. switching voltage	AC 264 V
Min. switching current	5 mA
Max. switching current	2 A
Inrush current	50 A @ 20 ms up to 60 °C
Leak current	1 mA

Technical data sheet

Interface Technology · LCIS Solid State Relay

Switch-on delay	<10 ms
Shutdown delay	<10 ms
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

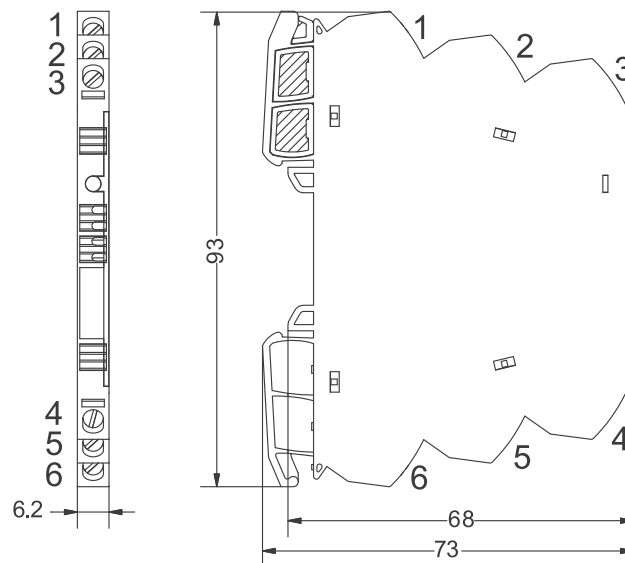
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

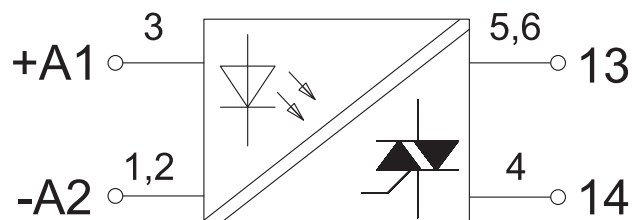
Technical data sheet

Interface Technology · LCIS Solid State Relay

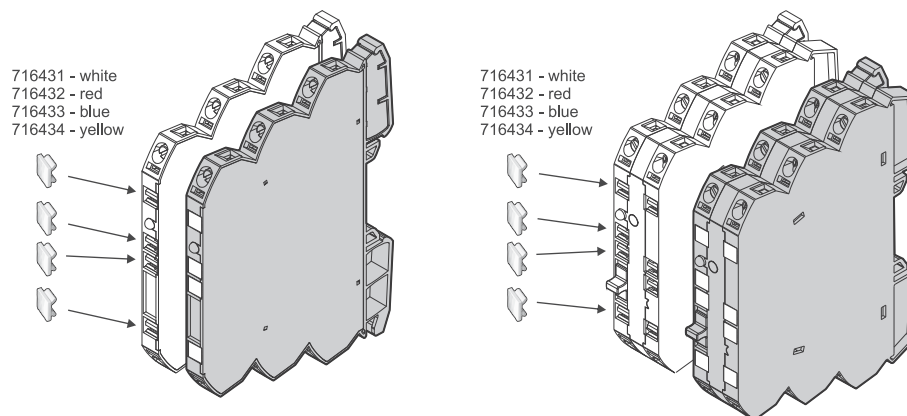
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology

Switching element DC 30 V / 5 A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-200320-S
Part No.	763020.0320

Product version

Datasheet version	03
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Input

Rated voltage U_N	DC 24 V
Input voltage range	11 V – 30 V
Rated current I_N	DC 8 mA
Protection device Input	Suppressor diode
Status display input	LED green
Activation voltage	>11 V
Interrupting voltage	<6 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	1 mA
Max. switching current	2 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	<100 μ A
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	Max. 100 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

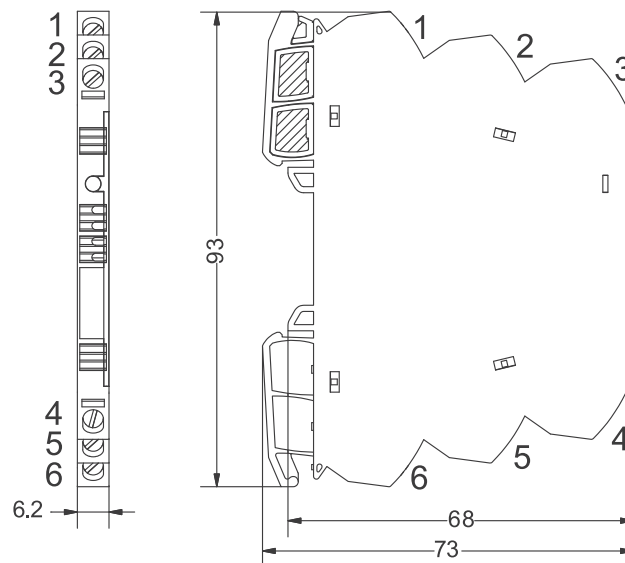
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

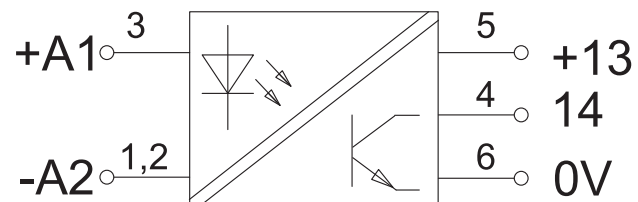
Technical data sheet

Interface Technology · LCIS Solid State Relay

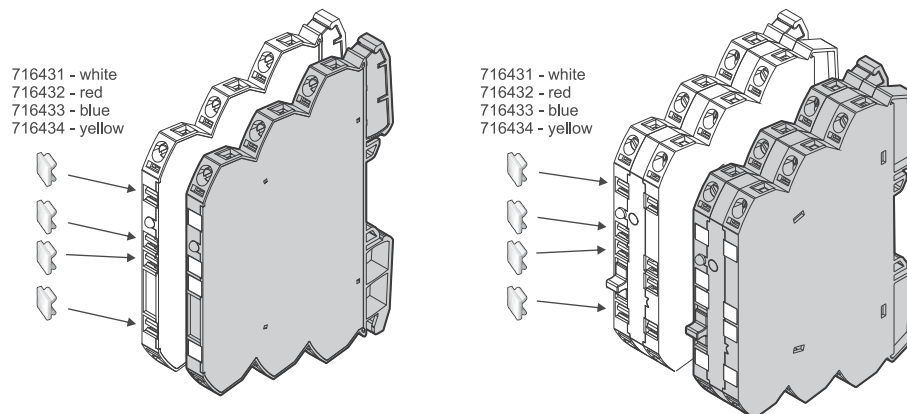
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology

Switching element DC 30 V / 5 A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-200330-S
Part No.	763020.0330

Product version

Datasheet version	03
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Input

Rated voltage U_N	DC 24 V
Input voltage range	11 V – 30 V
Rated current I_N	DC 8 mA
Protection device Input	Suppressor diode
Status display input	LED green
Activation voltage	>11 V
Interrupting voltage	<6 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	1 mA
Max. switching current	5 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	1 mA
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	Max. 100 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

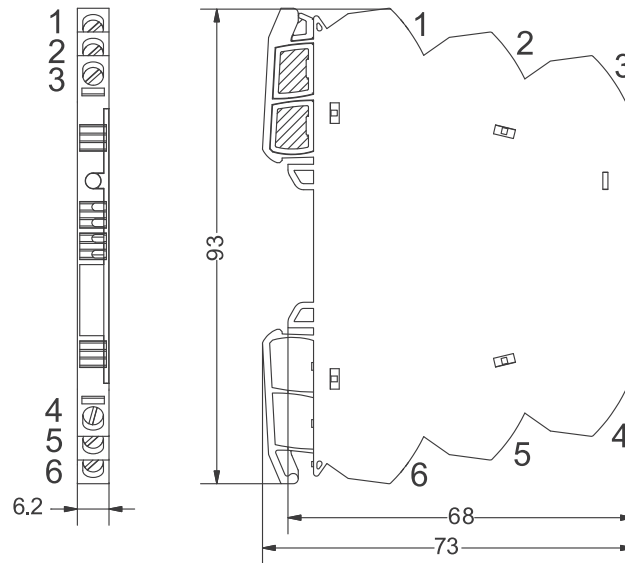
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

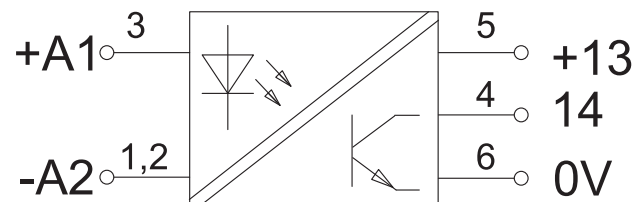
Technical data sheet

Interface Technology · LCIS Solid State Relay

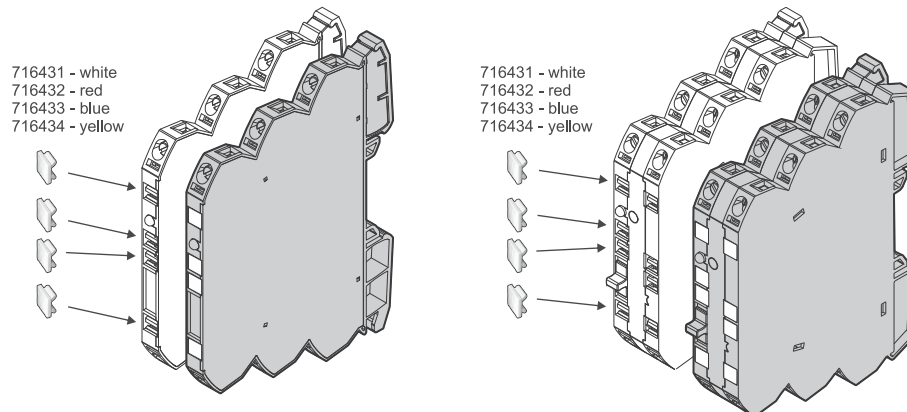
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology, manual off automatic

Switching element max. DC 30 V / 5A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-200360-SH0S
Part No.	763020.0360

Product version

Datasheet version	03
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Input

Rated voltage U_N	DC 24 V
Load	AC 230 V/0.75 A
Input voltage range	11 V – 30 V
Rated current I_N	8 mA
Protection device Input	Suppressor diode
Status display input	LED green
Interrupting voltage	<6 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	5 mA
Max. switching current	5 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	1 mA
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	Max. 100 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

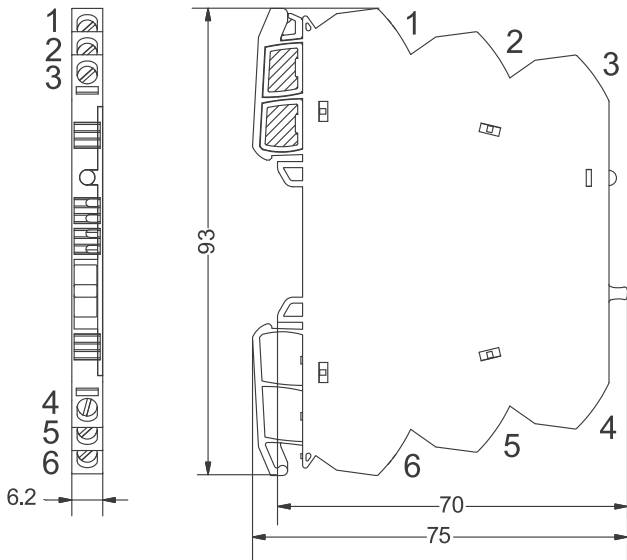
General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

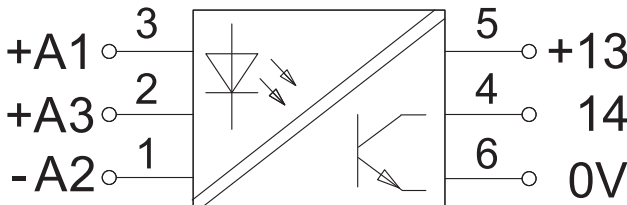
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

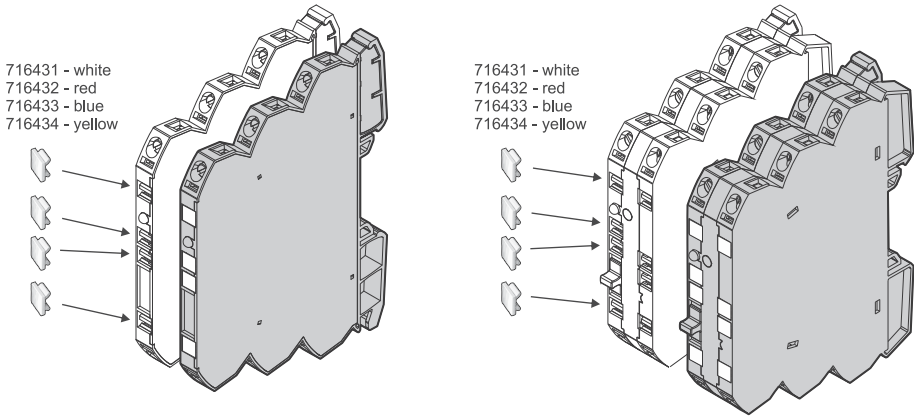
Dimensions



PIN assignment



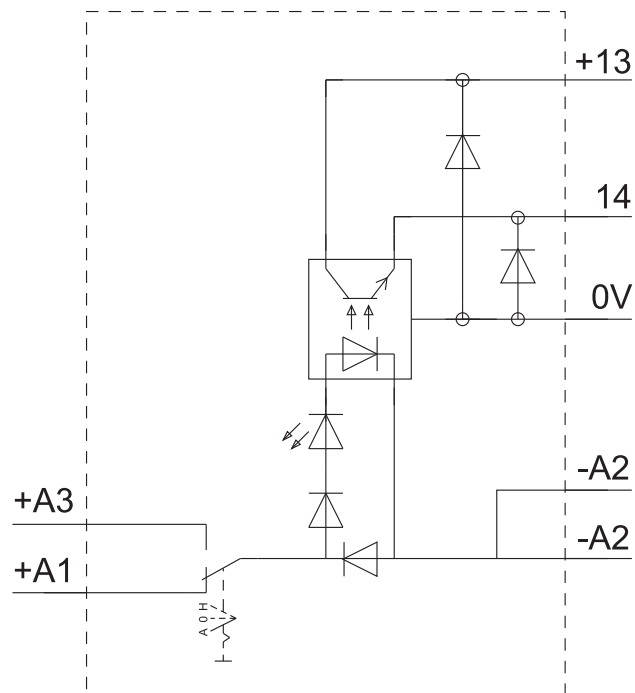
Use



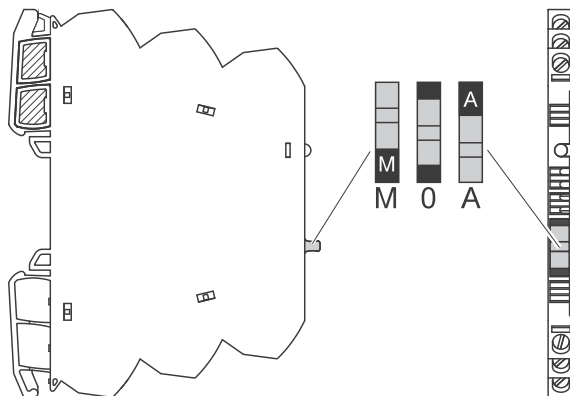
Technical data sheet

Interface Technology · LCIS Solid State Relay

Circuit diagram



Switch position



- M:** **DE** Funktion durch A3 bestimmt
EN Function determined by A3
FR Fonction déterminée par A3
- 0:** **DE** Aus
EN Off
FR Éteinte
- A:** **DE** Funktion durch A1 bestimmt
EN Function determined by A1
FR Fonction déterminée par A1

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element AC/DC 240 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC/UC-2L-200500-S
Part No.	763020.0500

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 16.8 V – 30 V
Rated current I_N	DC 9 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<10 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	AC/DC 2 V
Max. switching voltage	AC/DC 253 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 2 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 2 A > 60 °C: -25 mA/°C
Inrush current	10 A/20 ms @ 1 Hz
Leak current	AC: < 0.2 mA, DC: $< 1 \mu\text{A}$
Switch-on delay	$< 150 \mu\text{s}$ @ I_{max}
Shutdown delay	$< 100 \mu\text{s}$ @ I_{max}
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	500 Hz
Degree of protection	IP20
Comments	Inductive loads must be wired with a suitable suppressor element!

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	> 5.5 mm
Connection type	Screw terminal Single wire $0.25 \text{ mm}^2 - 2.5 \text{ mm}^2$ / AWG 24–14 Fine stranded wire with ferrule $0.25 \text{ mm}^2 - 1.5 \text{ mm}^2$ / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

Interface Technology · LCIS Solid State Relay

Certifications

cULus (E135145)
DNV (TAA000024Y)

Standards

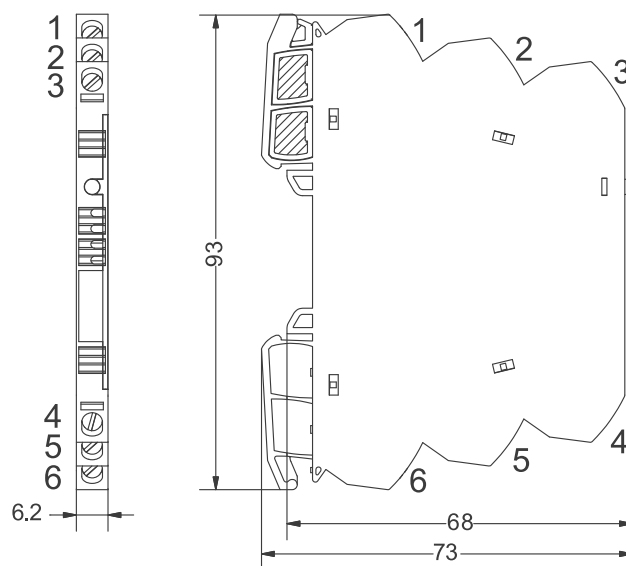
EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

Notes and Comments

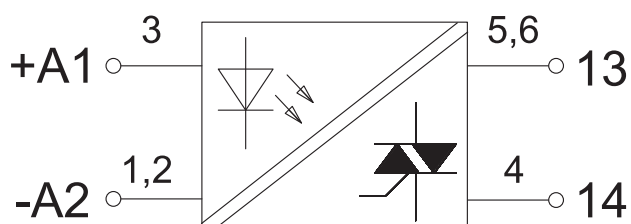
Comments

Inductive loads must be wired with a suitable suppressor element!

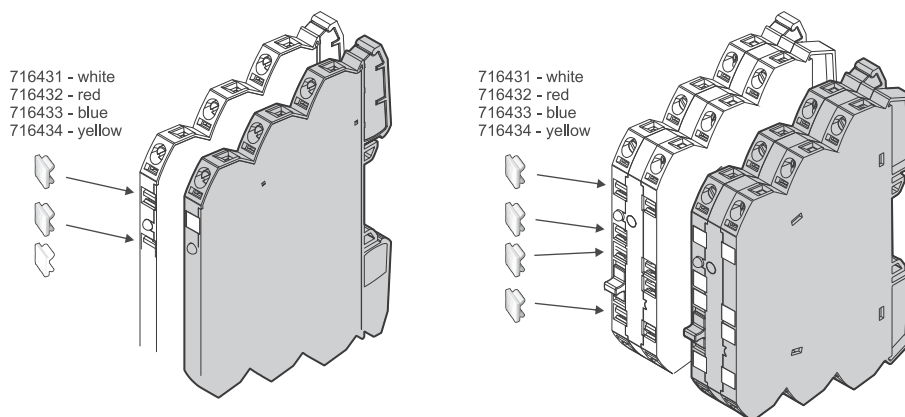
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element DC 30 V / DC 3 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-DC-2L-201020-S
Part No.	763020.1020

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 11.3 mA
Protection device Input	Varistor Bridge rectifier
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<9.4 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	DC 1 mA
Max. switching current	DC 5 A @ 100 % ED
Leak current	<1 mA

Technical data sheet

Interface Technology · LCIS Solid State Relay

Switch-on delay	<150 µs
Shutdown delay	<600 µs
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20
Comments	The relative duty cycle (ED) is the ratio of duty cycle to cycle time, usually given as a percentage. 100% ED corresponds to continuous duty, i.e. the solenoid can remain switched on indefinitely.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	2.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-25 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Certifications/Standards

Conformity	CE UKCA
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Technical data sheet

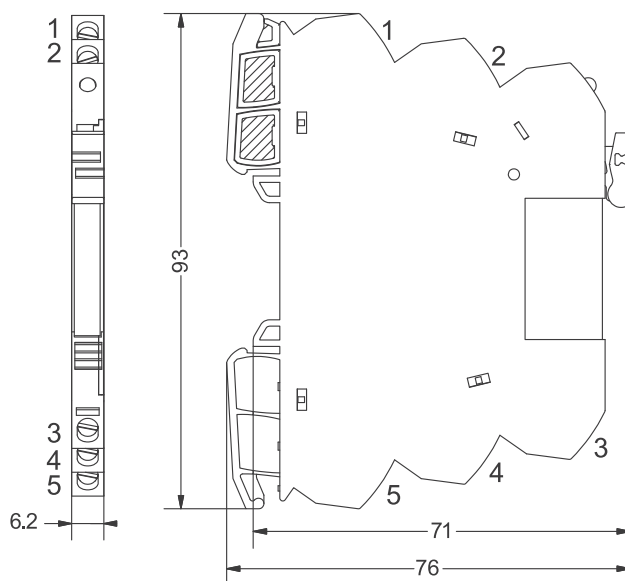
Interface Technology · LCIS Solid State Relay

Standards	EN 60947-1
	EN 60947-5-1
	EN 61000-6-2
	EN 61000-6-4
	UL 508
	DNV-CG-0339

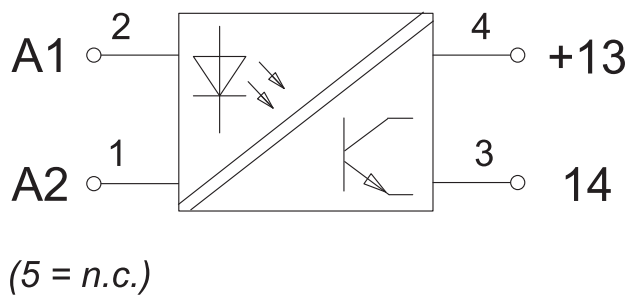
Notes and Comments

Comments	The relative duty cycle (ED) is the ratio of duty cycle to cycle time, usually given as a percentage. 100% ED corresponds to continuous duty, i.e. the solenoid can remain switched on indefinitely.
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Dimensions



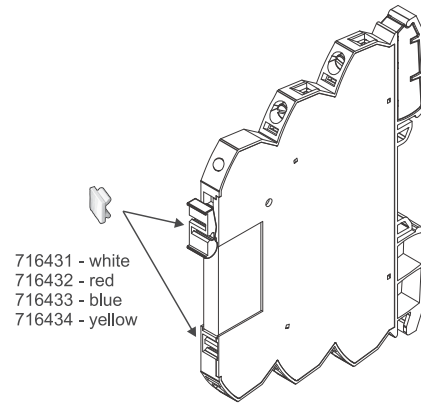
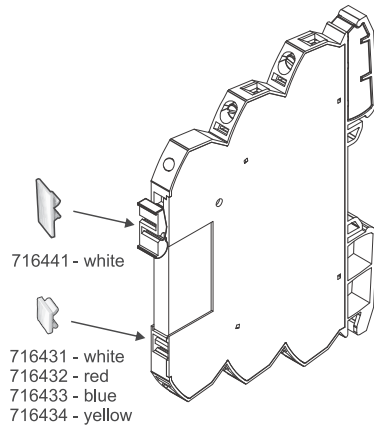
PIN assignment



Technical data sheet

Interface Technology · LCIS Solid State Relay

Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element AC 240 V / AC 0.75 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-AC-2L-201210-S
Part No.	763020.1210

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 11.3 mA
Protection device Input	Varistor Bridge rectifier
Status display input	LED green
Interrupting voltage	<1.9 V

Output

Switching element	Triac (Zero crossing switch) N/O contact
Min. switching voltage	AC 24 V
Max. switching voltage	AC 253 V
Min. switching current	AC 0.05 A
Max. switching current	AC 0.75 A

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: max. AC 0.35 A @ +60 °C or AC 0.75 A @ max. +35 °C
Leak current	<AC 1.5 mA
Switch-on delay	1 ms + 1/2 period
Shutdown delay	1 ms + 1/2 period
Protection device	RC-Snubber
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	3.5 kV _{eff}
Safe isolation	no
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +70 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

Conformity	CE
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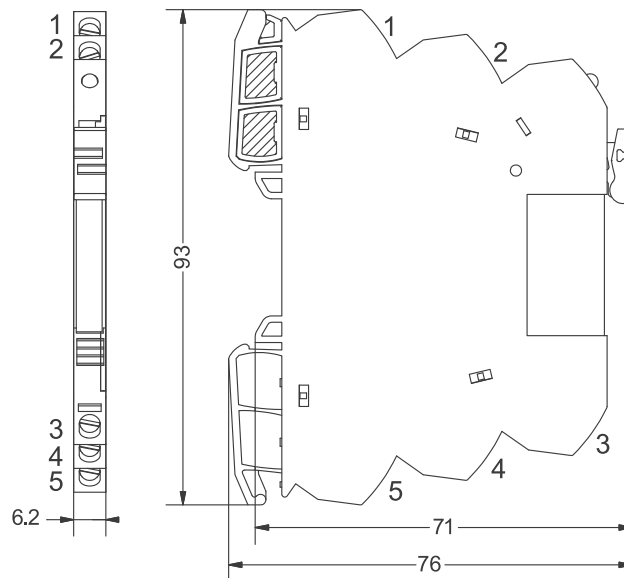
Technical data sheet

Interface Technology · LCIS Solid State Relay

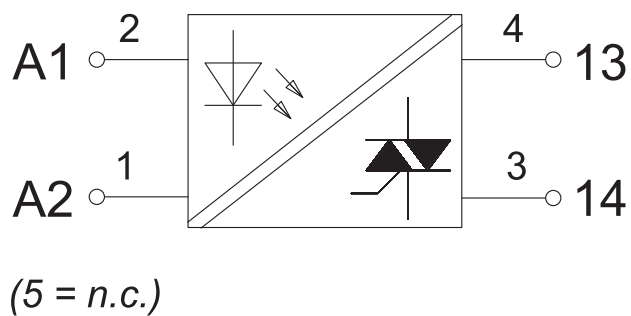
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

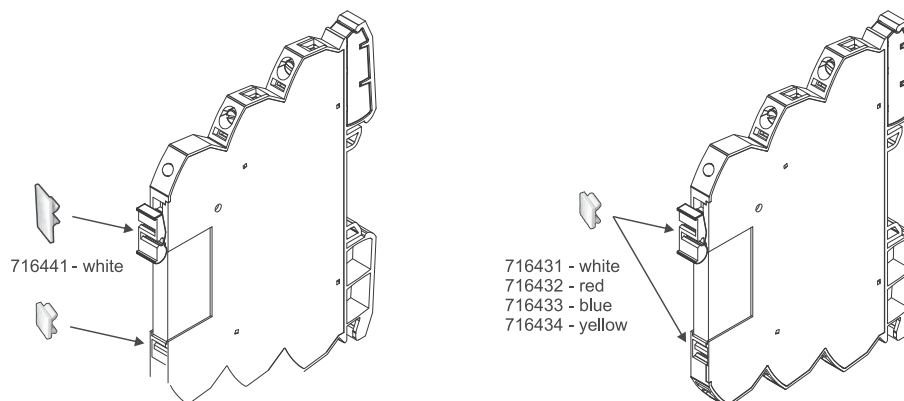
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology
Switching element DC 24 V / DC 10 A
Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-202340-S
Part No.	763020.2340

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 6.5 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>15 V
Interrupting voltage	<5 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 10 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 10 A > 60 °C: -50 mA/°C
Inrush current	50 A/20 ms @ 1 Hz
Leak current	< 100 μ A
Switch-on delay	< 0.2 ms @ $I_{\max}$
Shutdown delay	< 0.4 ms @ $I_{\max}$
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	50 Hz (Derating)
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	> 5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Certifications/Standards

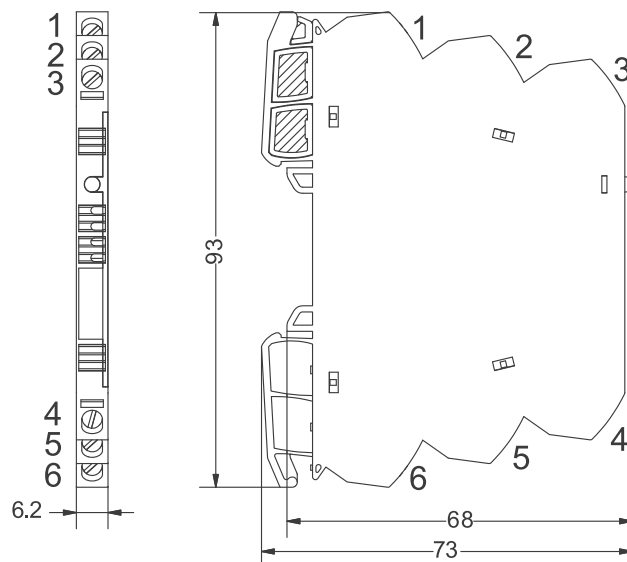
Technical data sheet

Interface Technology · LCIS Solid State Relay

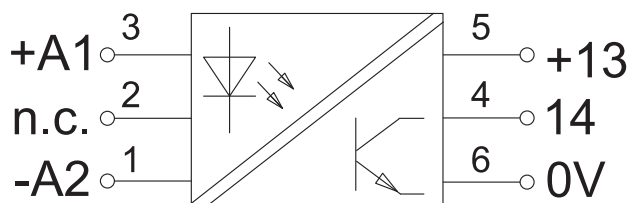
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

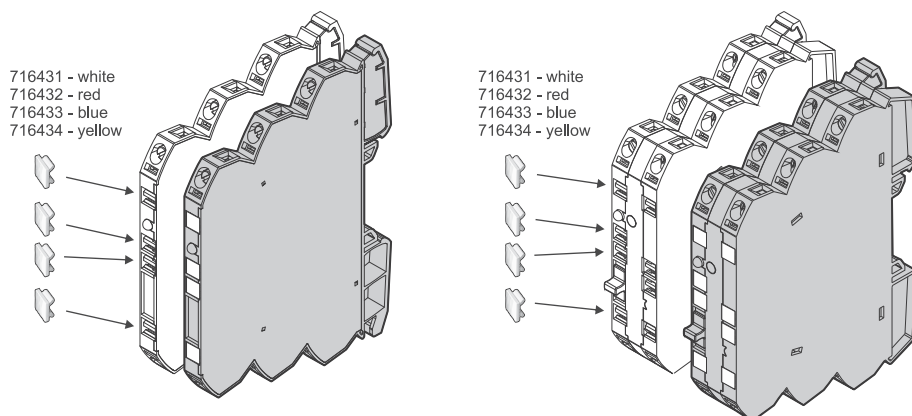
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element DC 24 V / DC 10 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-500140-S
Part No.	763050.0140

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 10 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<14 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 10 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 10 A > 60 °C: -50 mA/°C
Inrush current	50 A/20 ms @ 1 Hz
Leak current	< 10 μ A
Switch-on delay	< 250 μ s @ $I_{\max}$
Shutdown delay	< 150 μ s @ $I_{\max}$
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	1 kHz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	> 5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Technical data sheet

Interface Technology · LCIS Solid State Relay

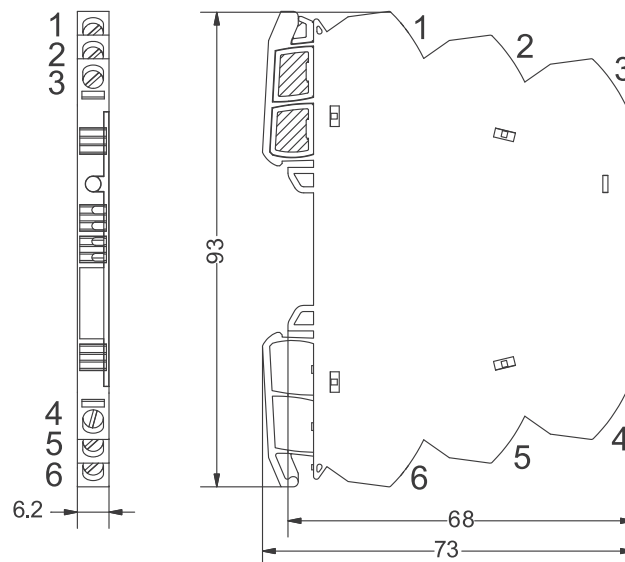
Certifications

cULus (E135145)
DNV (TAA000024Y)

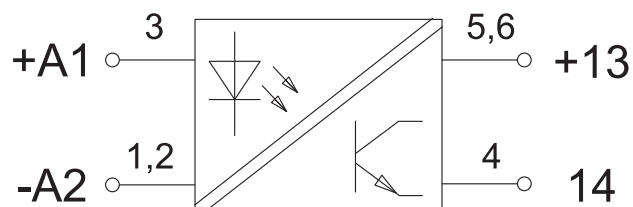
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

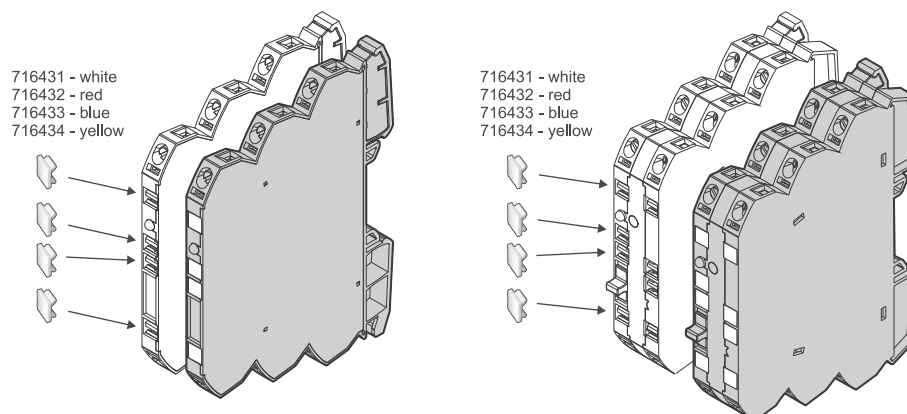
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element DC 30 V / DC 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-AC/DC-2L-701020-S
Part No.	763070.1020

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	AC 230 V
Input voltage range	AC 184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	AC 3.3 mA
Protection device Input	Bridge rectifier
Status display input	LED green
Interrupting voltage	<AC 80 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 2A

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: max. DC 2 A @ +40 °C >40 °C: linear and dropping to 0 A -0.2 A/°C @ $U_{\text{ein}} = \text{AC } 253 \text{ V}$ -0.1 A/°C @ $U_{\text{ein}} = \text{AC } 230 \text{ V}$
Leak current	<DC 1 mA
Switch-on delay	6 ms (@DC)
Shutdown delay	15 ms (@DC)
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	2.5 kV _{eff}
Safe isolation	no
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

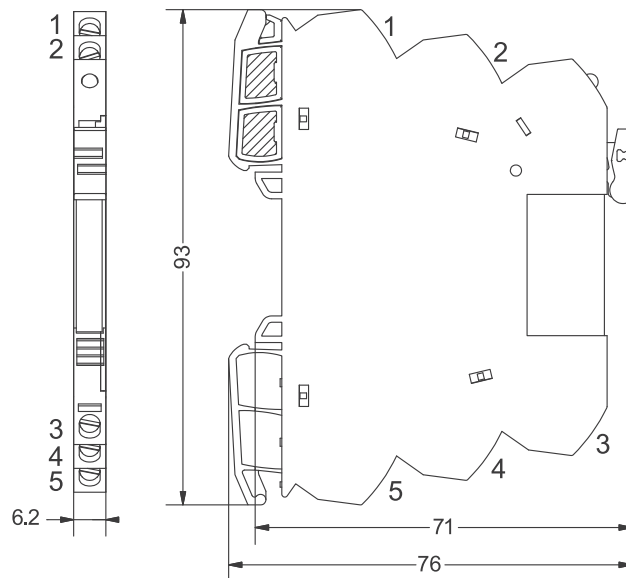
Technical data sheet

Interface Technology · LCIS Solid State Relay

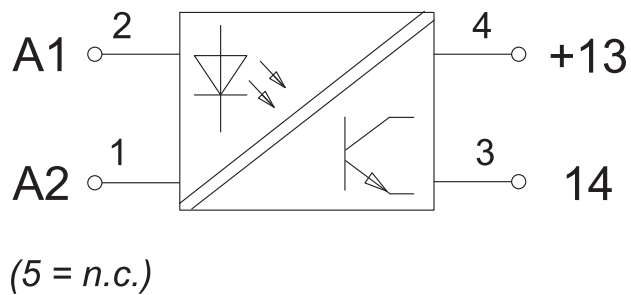
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

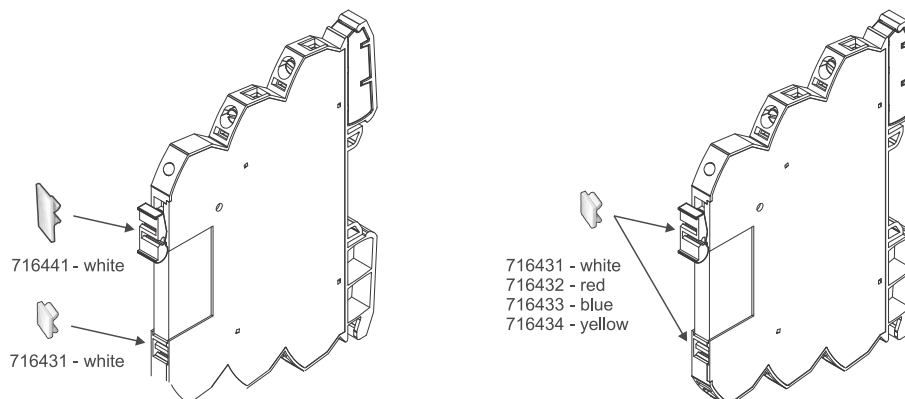
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology

Switching element max. DC 30 V / 3 A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-AC/DC-3L-800350-S
Part No.	763080.0350

Product version

Datasheet version	03
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Input

Rated voltage U_N	AC/DC 110–230 V
Load	AC 230 V/0.75 A
Input voltage range	110 V – 230 V
Rated current I_N	4 mA
Protection device Input	Varistor
Status display input	LED green
Interrupting voltage	<46 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	1 mA
Max. switching current	3 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	<100 μ A
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	Max. 10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

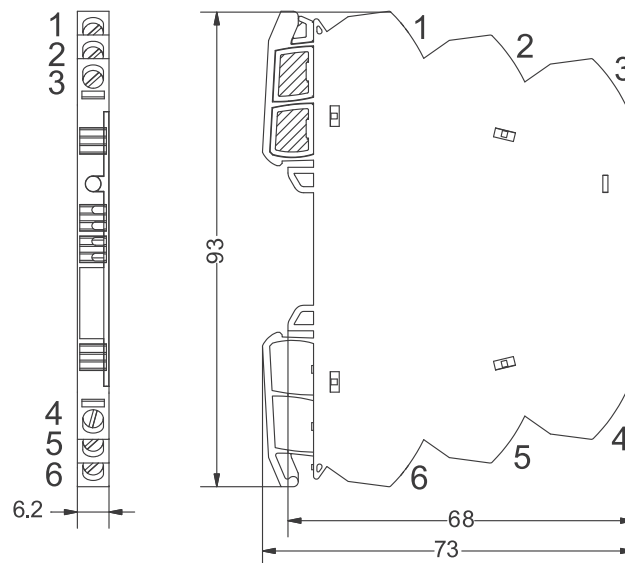
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

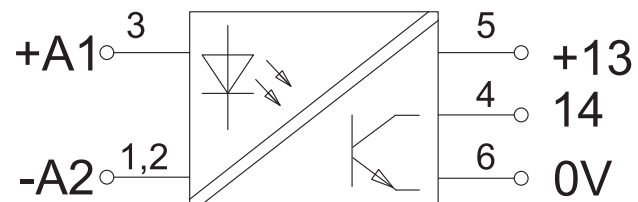
Technical data sheet

Interface Technology · LCIS Solid State Relay

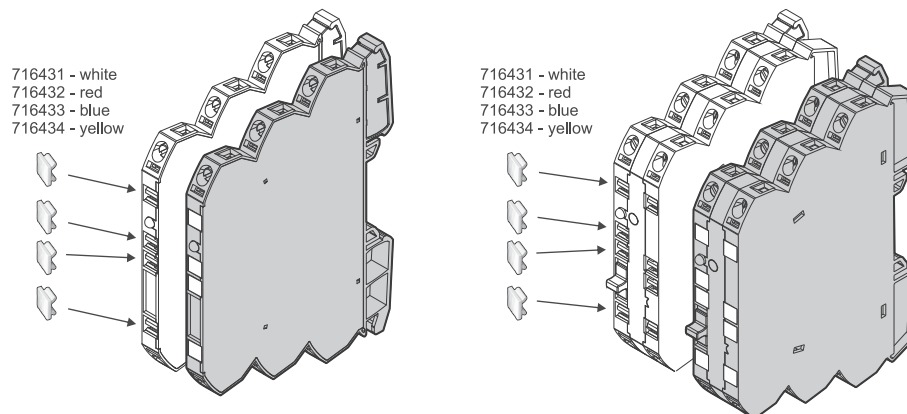
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology
Switching element DC 24 V / DC 0,5 A / 20 kHz
Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200091-PI
Part No.	764020.0091

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage	+A1: 19.2 - 30 V / +A3: 4.2 - 30 V
Rated current I_N	+A1: DC 12 mA / +A3: DC 0.7 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>4.2 V
Interrupting voltage	<2.7 V

Output

Switching element	Transistor N/O contact
Min. switching voltage	DC 5 V
Max. switching voltage	DC 31.2 V
Min. switching current	DC 10 mA
Max. switching current	DC 0.5 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	DC - Operation: no Derating DC 0.5 A @ $\leq$ DC 24 V $\leq$ 10 kHz DC 0.2 A @ $\leq$ DC 24 V $\leq$ 20 kHz
Inrush current	2.5 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<15 μ s @ I_{max} , U_N
Shutdown delay	<20 μ s @ I_{max} , U_N
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	Approx. 20 kHz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	3.75 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

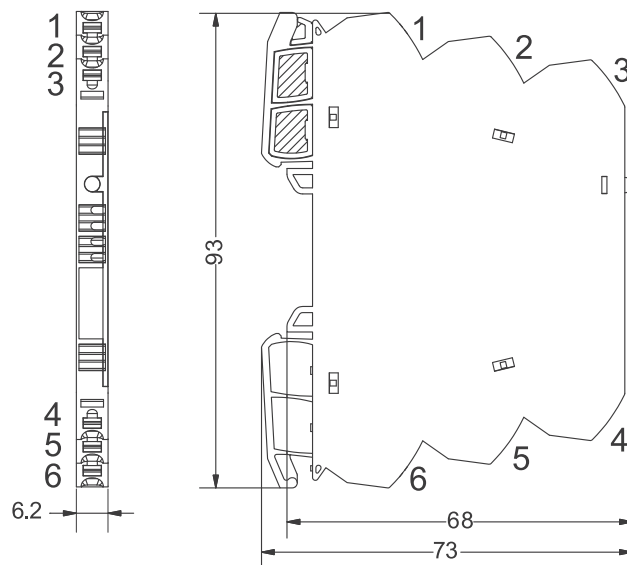
Technical data sheet

Interface Technology · LCIS Solid State Relay

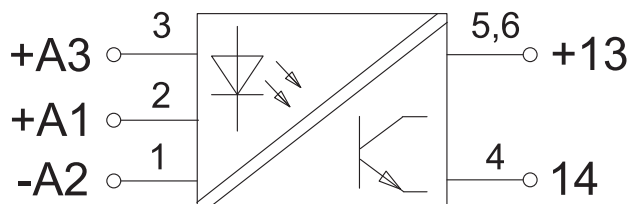
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

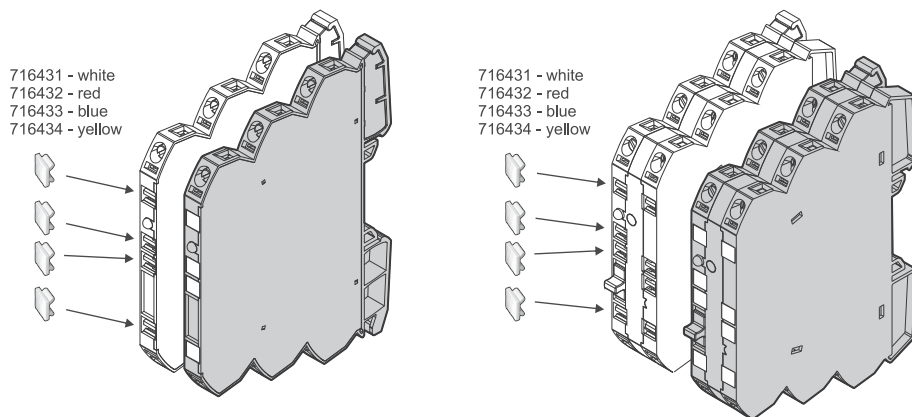
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. DC 60 V / 0,5 A, DC 60 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200110-PI
Part No.	764020.0110

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	DC 24 V
Load	DC 60 V / 0.5 A
Input voltage range	11 V – 30 V
Rated current I_N	>4 mA
Protection device Input	Varistor
Status display input	LED green

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	1 mA
Max. switching current	0.5 A
Inrush current	10 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<400 μ s

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<2 ms
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 50 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

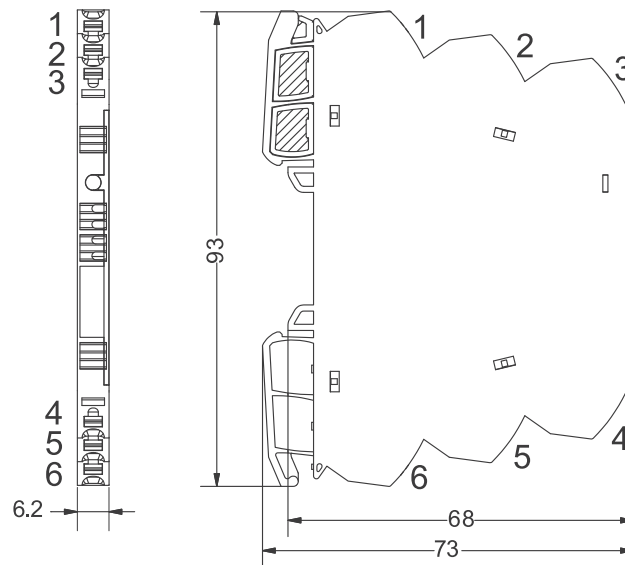
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2

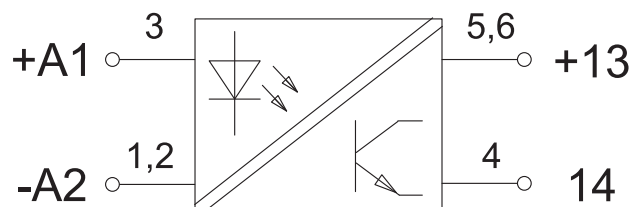
Technical data sheet

Interface Technology · LCIS Solid State Relay

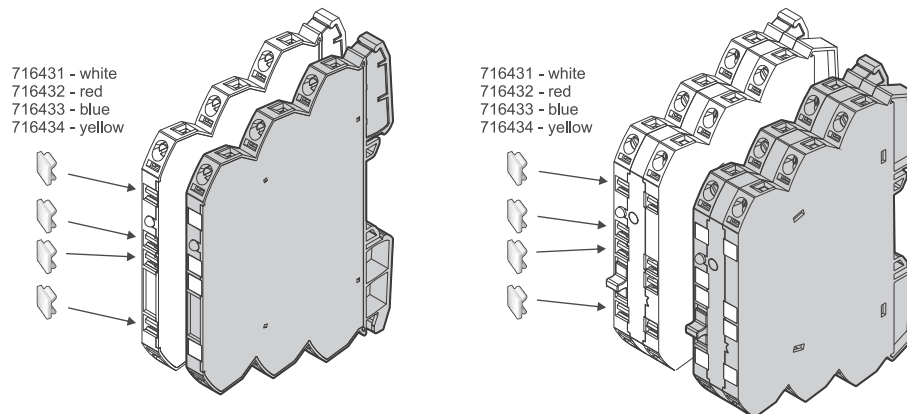
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. DC 60 V / 0,5 A, DC 60 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200120-PI
Part No.	764020.0120

Product version

Datasheet version	05
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Input

Rated voltage U_N	DC 24 V
Load	DC 60 V / 2 A
Input voltage range	11 V – 30 V
Rated current I_N	>4 mA
Protection device Input	Varistor
Status display input	LED green

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	1 mA
Max. switching current	2 A
Inrush current	10 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<400 μ s
Shutdown delay	<2 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 50 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

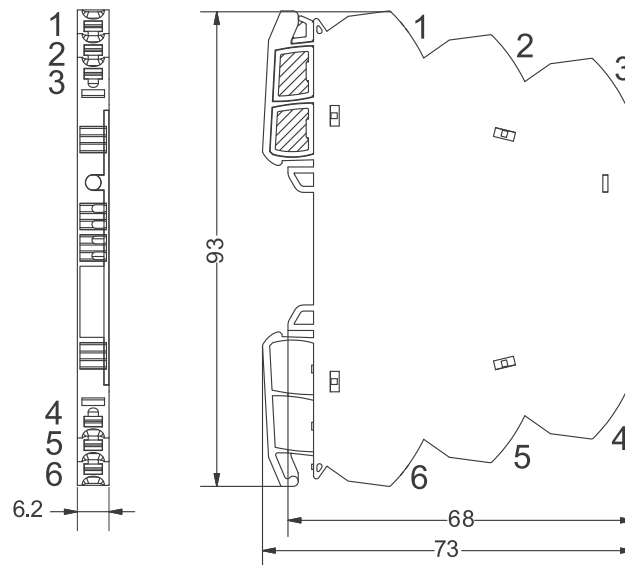
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2

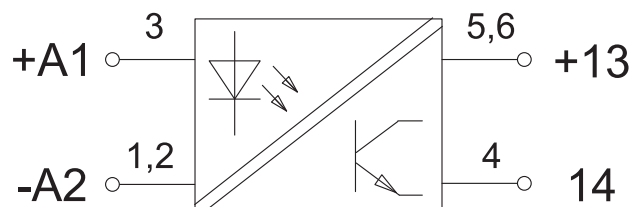
Technical data sheet

Interface Technology · LCIS Solid State Relay

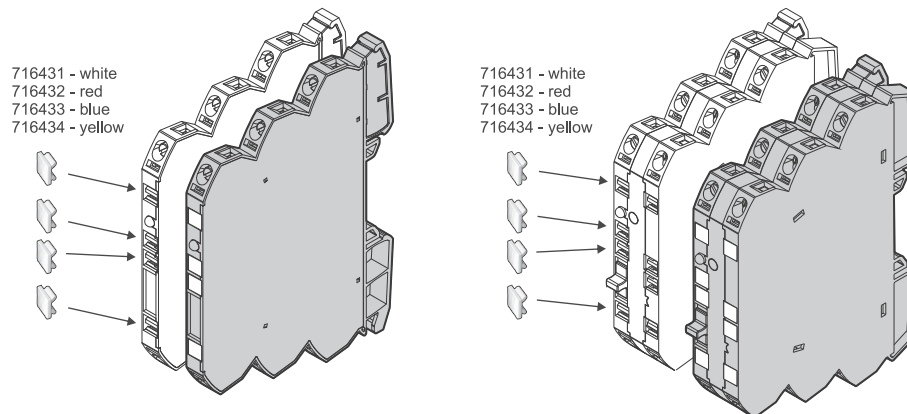
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element DC 60 V / DC 5 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200130-PI
Part No.	764020.0130

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 10 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<14 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	DC 1 mA
Max. switching current	DC 5 A @ 100 % ED
Inrush current	25 A/20 ms @ 1 Hz

Technical data sheet

Interface Technology · LCIS Solid State Relay

Leak current	<1 µA
Switch-on delay	<250 µs @ I _{max}
Shutdown delay	<150 µs @ I _{max}
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	1 kHz
Degree of protection	IP20
Comments	The relative duty cycle (ED) is the ratio of duty cycle to cycle time, usually given as a percentage. 100% ED corresponds to continuous duty, i.e. the solenoid can remain switched on indefinitely.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Certifications/Standards

Technical data sheet

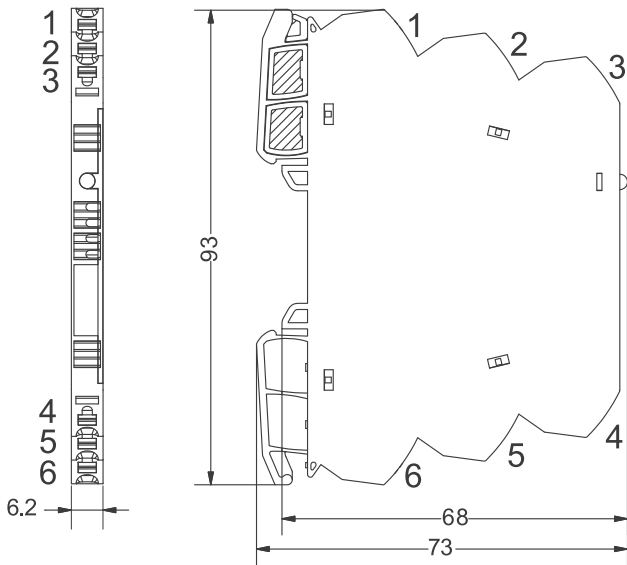
Interface Technology · LCIS Solid State Relay

Standards	EN 60947-1
	EN 60947-5-1
	EN 61000-6-2
	EN 61000-6-4
	UL 508
	DNV-CG-0339

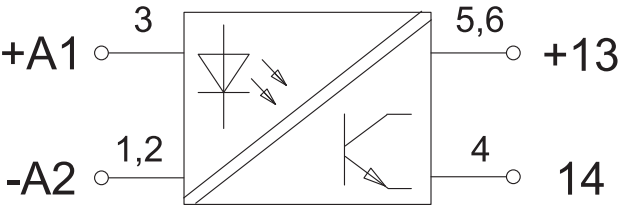
Notes and Comments

Comments	The relative duty cycle (ED) is the ratio of duty cycle to cycle time, usually given as a percentage.
	100% ED corresponds to continuous duty, i.e. the solenoid can remain switched on indefinitely.

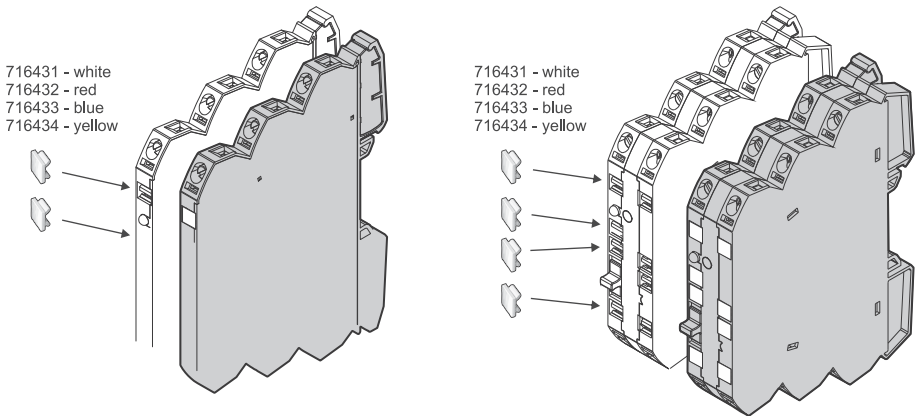
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. AC 230 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC/AC-2L-200220-PI
Part No.	764020.0220

Product version

Hardware revision	1.0
Datasheet version	05

Input

Rated voltage U_N	DC 24 V
Load	AC 230 V/0.75 A
Input voltage range	11 V – 30 V
Rated current I_N	9 mA
Protection device Input	Varistor
Status display input	LED green
Interrupting voltage	<9 V

Output

Switching element	Triac N/O contact
Min. switching voltage	AC 20 V
Max. switching voltage	AC 264 V
Min. switching current	5 mA
Max. switching current	2 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	1 mA

Technical data sheet

Interface Technology · LCIS Solid State Relay

Switch-on delay	<10 ms
Shutdown delay	<10 ms
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

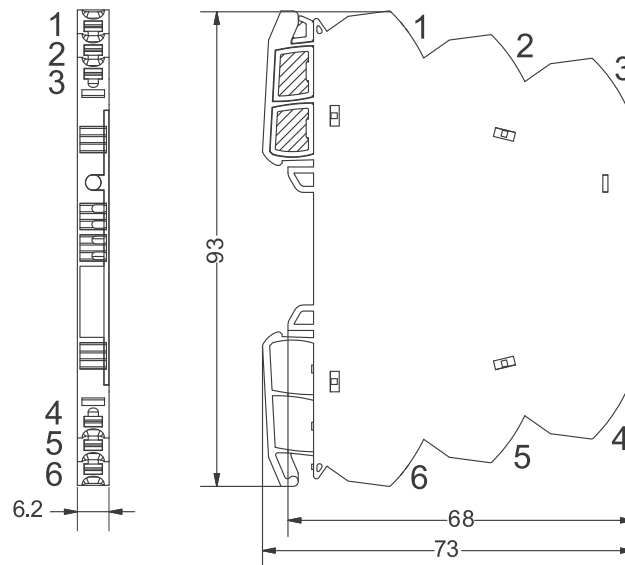
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

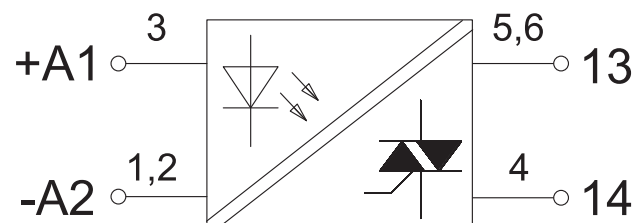
Technical data sheet

Interface Technology · LCIS Solid State Relay

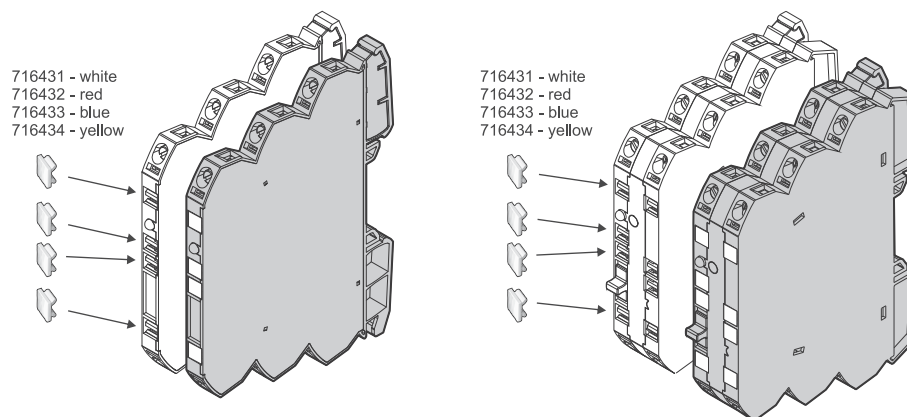
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology

Switching element DC 30 V / 5 A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-200320-PI
Part No.	764020.0320

Product version

Datasheet version	04
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Input

Rated voltage U_N	DC 24 V
Input voltage range	11 V – 30 V
Rated current I_N	DC 8 mA
Protection device Input	Suppressor diode
Status display input	LED green
Activation voltage	>11 V
Interrupting voltage	<6 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	1 mA
Max. switching current	2 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	<100 μ A
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	Max. 100 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

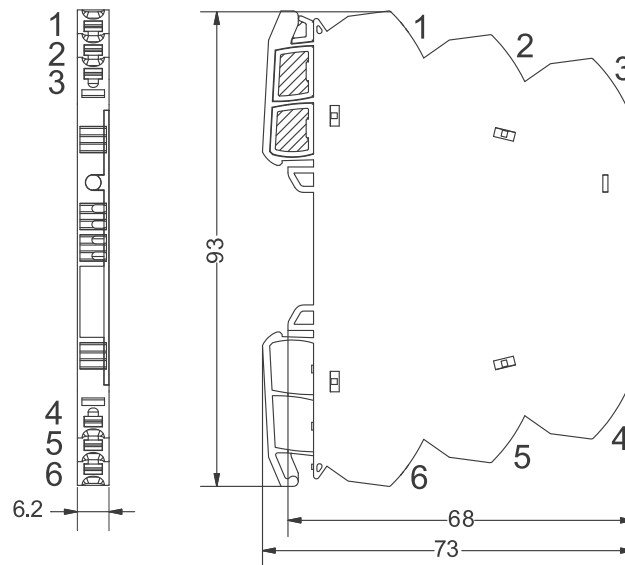
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

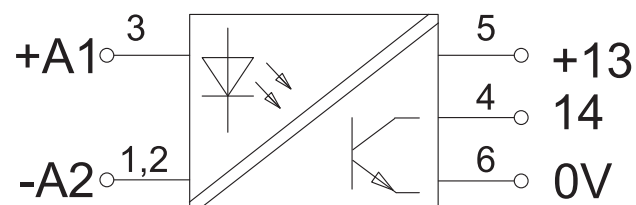
Technical data sheet

Interface Technology · LCIS Solid State Relay

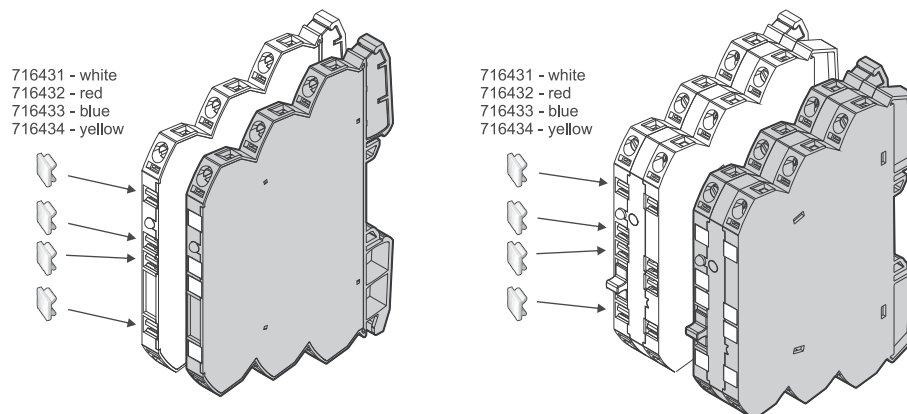
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay, 3-conductor technology

Solid state relay, 3-conductor technology

Switching element DC 30 V / 5 A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-200330-PI
Part No.	764020.0330

Product version

Datasheet version	04
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Input

Rated voltage U_N	DC 24 V
Input voltage range	11 V – 30 V
Rated current I_N	DC 8 mA
Protection device Input	Suppressor diode
Status display input	LED green
Activation voltage	>11 V
Interrupting voltage	<6 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	1 mA
Max. switching current	5 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	1 mA
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay, 3-conductor technology

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	Max. 100 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

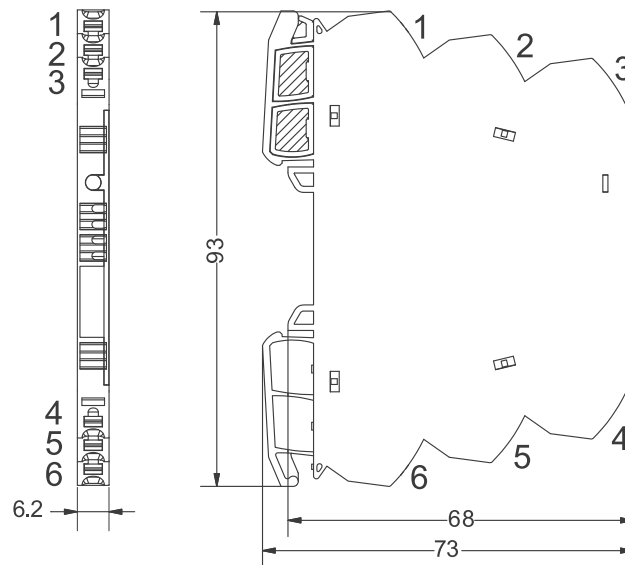
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

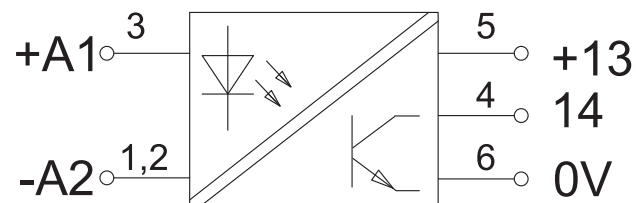
Technical data sheet

Interface Technology · LCIS Solid State Relay, 3-conductor technology

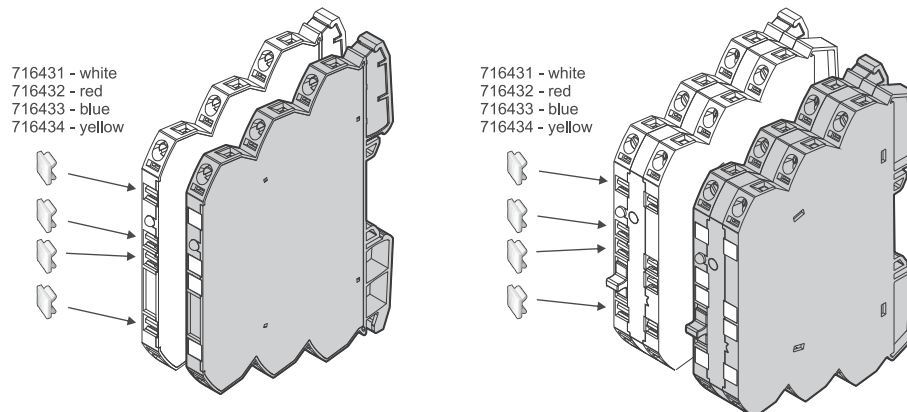
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology, manual off automatic

Switching element max. DC 30 V / 5A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-200360-PIH0S
Part No.	764020.0360

Product version

Datasheet version	04
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Input

Rated voltage U_N	DC 24 V
Load	AC 230 V/0.75 A
Input voltage range	11 V – 30 V
Rated current I_N	8 mA
Protection device Input	Suppressor diode
Status display input	LED green
Interrupting voltage	<6 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	5 mA
Max. switching current	5 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	1 mA
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	Max. 100 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

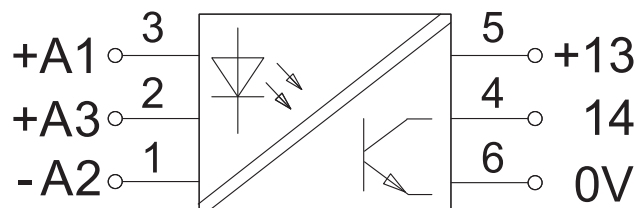
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

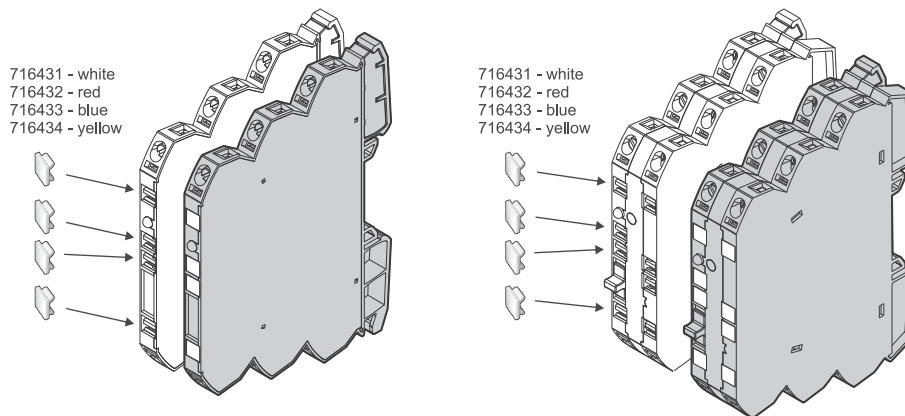
Technical data sheet

Interface Technology · LCIS Solid State Relay

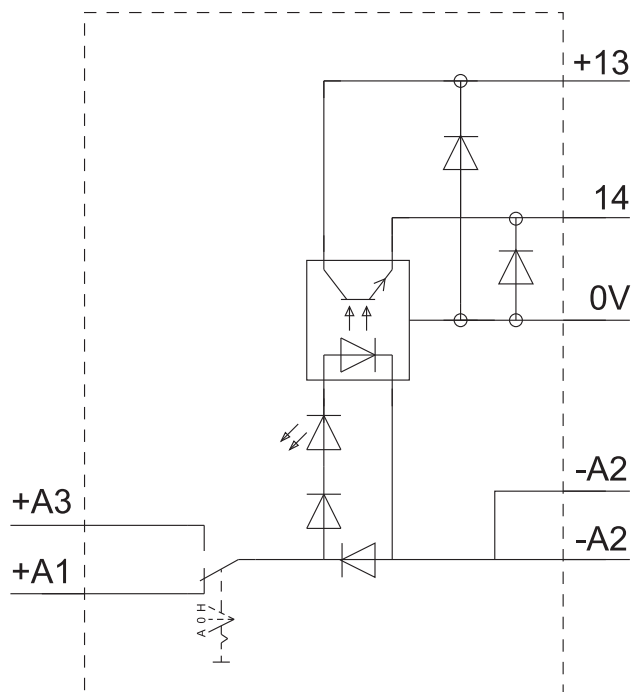
PIN assignment



Use



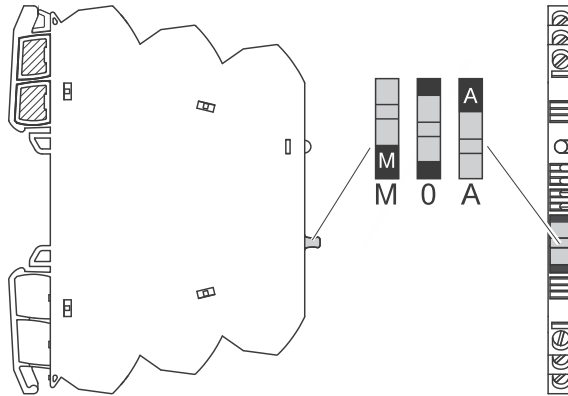
Circuit diagram



Technical data sheet

Interface Technology · LCIS Solid State Relay

Switch position



M: **DE** Funktion durch A3 bestimmt
EN Function determined by A3
FR Fonction déterminée par A3

0: **DE** Aus
EN Off
FR Éteinte

A: **DE** Funktion durch A1 bestimmt
EN Function determined by A1
FR Fonction déterminée par A1

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element AC/DC 240 V / 2A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC/UC-2L-200500-PI
Part No.	764020.0500

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 16.8 V – 30 V
Rated current I_N	DC 9 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<10 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	AC/DC 2 V
Max. switching voltage	AC/DC 253 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 2 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 2 A > 60 °C: -25 mA/°C
Inrush current	10 A/20 ms @ 1 Hz
Leak current	AC: < 0.2 mA, DC: $< 1 \mu\text{A}$
Switch-on delay	$< 150 \mu\text{s}$ @ I_{max}
Shutdown delay	$< 100 \mu\text{s}$ @ I_{max}
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	500 Hz
Degree of protection	IP20
Comments	Inductive loads must be wired with a suitable suppressor element!

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	> 5.5 mm
Connection type	Push-In Single wire $0.25 \text{ mm}^2 - 2.5 \text{ mm}^2$ / AWG 24–14 Fine stranded wire with ferrule $0.25 \text{ mm}^2 - 1.5 \text{ mm}^2$ / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Technical data sheet

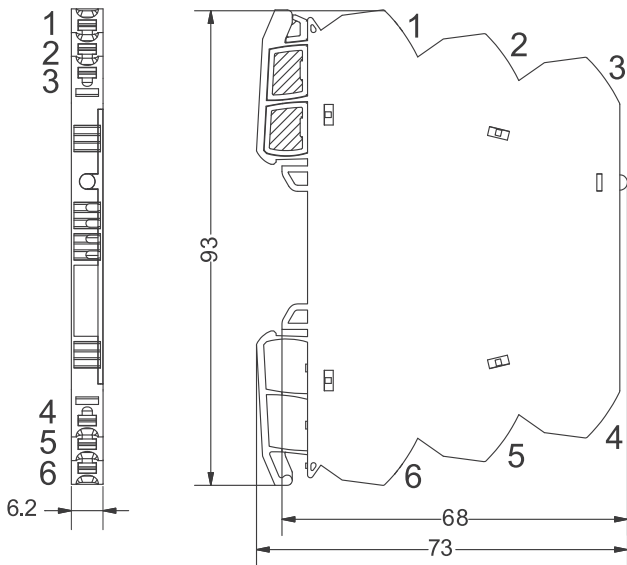
Interface Technology · LCIS Solid State Relay

Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

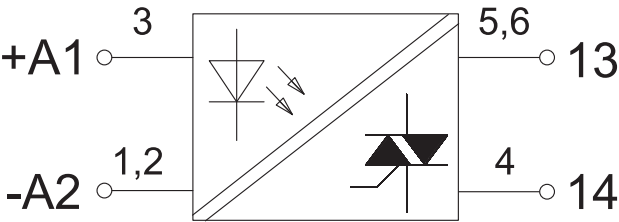
Notes and Comments

Comments	Inductive loads must be wired with a suitable suppressor element!
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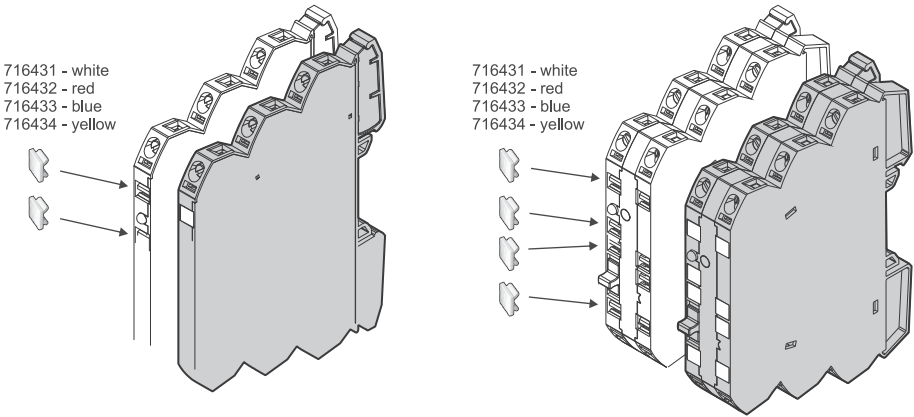
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element DC 30 V / DC 3 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-DC-2L-201020-PI
Part No.	764020.1020

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 11.3 mA
Protection device Input	Varistor Bridge rectifier
Status display input	LED green
Interrupting voltage	<9.4 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 3 A
Leak current	<1 mA
Switch-on delay	<150 μ s

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<600 µs
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	2.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-25 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

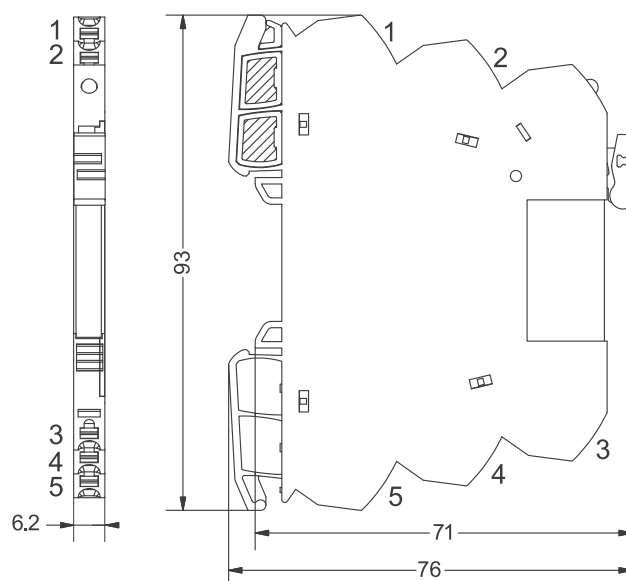
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2

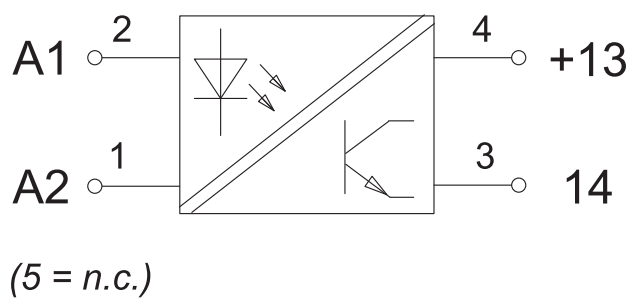
Technical data sheet

Interface Technology · LCIS Solid State Relay

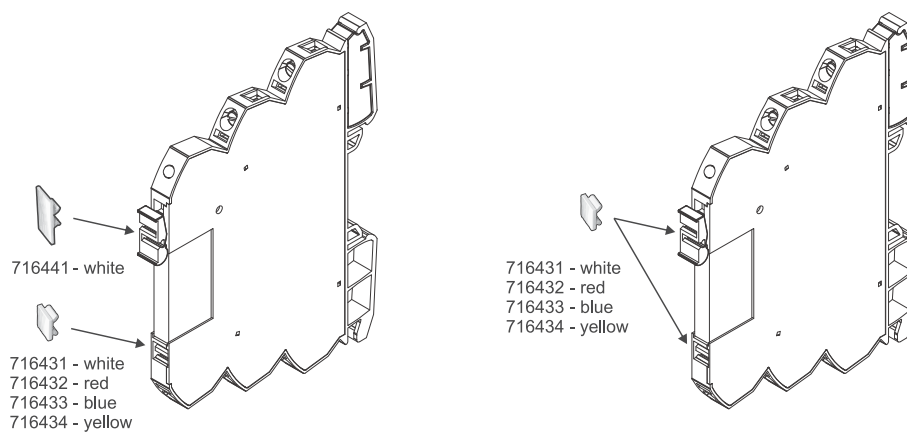
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element AC 240 V / AC 0.75 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-AC-2L-201210-PI
Part No.	764020.1210

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 11.3 mA
Protection device Input	Varistor Bridge rectifier
Status display input	LED green
Interrupting voltage	<1.9 V

Output

Switching element	Triac (Zero crossing switch) N/O contact
Min. switching voltage	AC 24 V
Max. switching voltage	AC 253 V
Min. switching current	AC 0.05 A
Max. switching current	AC 0.75 A

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: max. AC 0.35 A @ +60 °C or AC 0.75 A @ max. +35 °C
Leak current	<AC 1.5 mA
Switch-on delay	1 ms + 1/2 period
Shutdown delay	1 ms + 1/2 period
Protection device	RC-Snubber
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	3.5 kV _{eff}
Safe isolation	no
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +70 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

Conformity	CE
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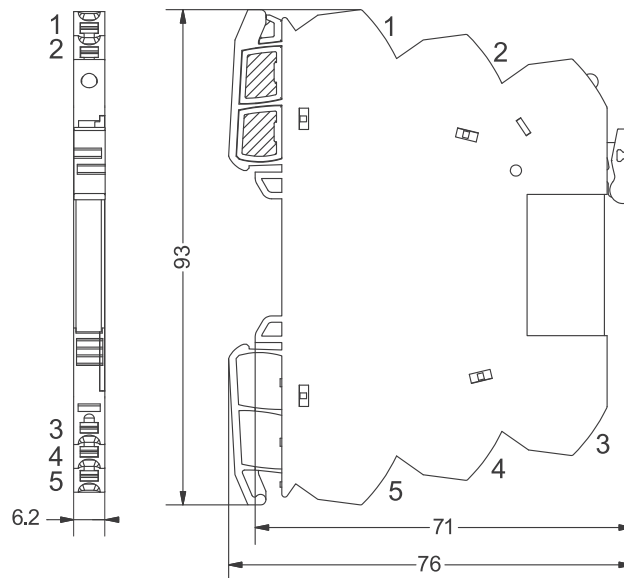
Technical data sheet

Interface Technology · LCIS Solid State Relay

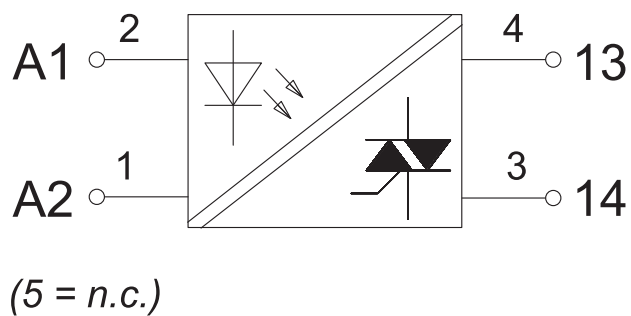
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

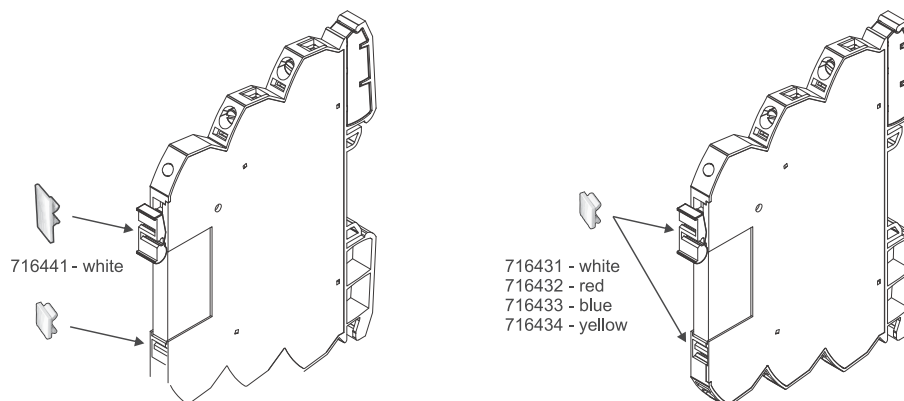
Dimensions



PIN assignment



Use



716431 - white
716432 - red
716433 - blue
716434 - yellow

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology
Switching element DC 24 V / DC 10 A
Screw terminal / Push-In



Identification

Type	LCIS-SRKF-DC-3L-202340-PI
Part No.	764020.2340

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 6.5 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>15 V
Interrupting voltage	<5 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 10 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 10 A > 60 °C: -50 mA/°C
Inrush current	50 A/20 ms @ 1 Hz
Leak current	< 100 μ A
Switch-on delay	< 0.2 ms @ $I_{\max}$
Shutdown delay	< 0.4 ms @ $I_{\max}$
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	50 Hz (Derating)
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	> 5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Certifications/Standards

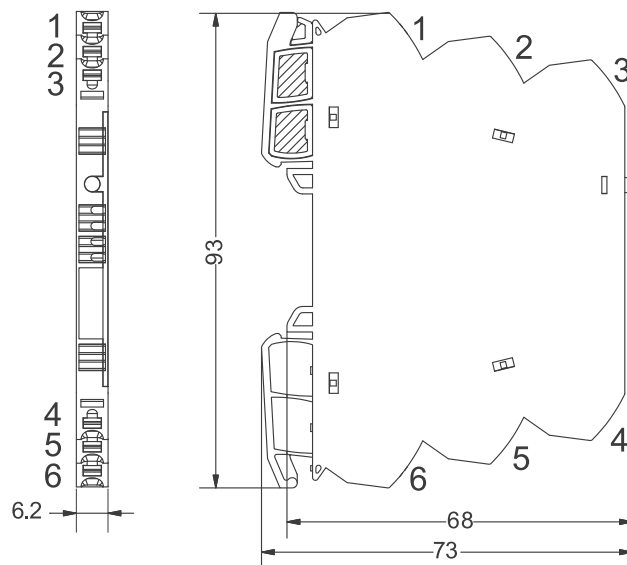
Technical data sheet

Interface Technology · LCIS Solid State Relay

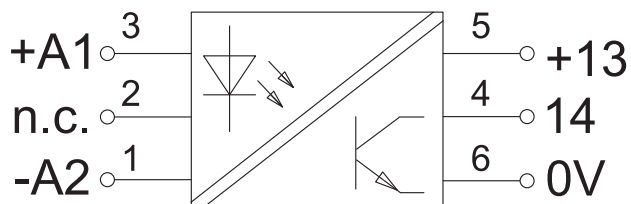
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

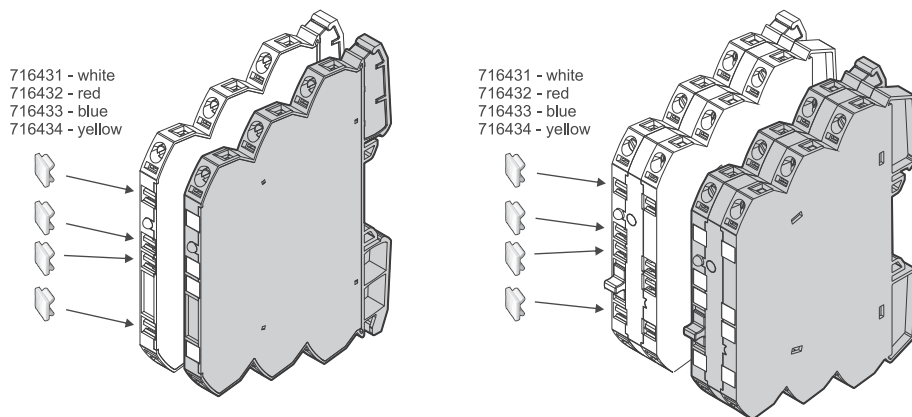
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element DC 24 V / DC 10 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-500140-PI
Part No.	764050.0140

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 10 mA
Protection device Input	Varistor Reverse diode
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<14 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 10 A @ 100 % ED

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 10 A > 60 °C: -50 mA/°C
Inrush current	50 A/20 ms @ 1 Hz
Leak current	< 10 μ A
Switch-on delay	< 250 μ s @ $I_{\max}$
Shutdown delay	< 150 μ s @ $I_{\max}$
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	1 kHz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	> 5.5 mm
Connection type	Push-In Single wire $0.25 \text{ mm}^2 - 2.5 \text{ mm}^2$ / AWG 24–14 Fine stranded wire with ferrule $0.25 \text{ mm}^2 - 1.5 \text{ mm}^2$ / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Technical data sheet

Interface Technology · LCIS Solid State Relay

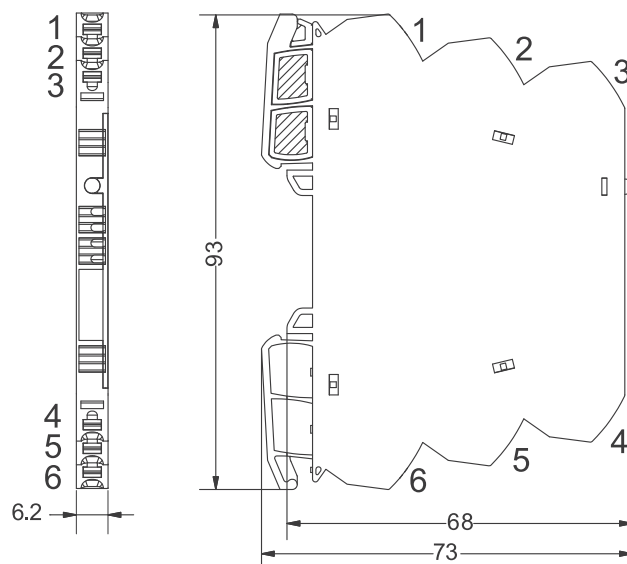
Certifications

cULus (E135145)
DNV (TAA000024Y)

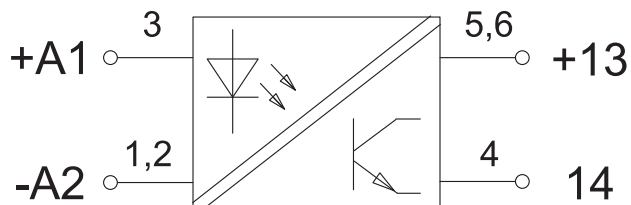
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

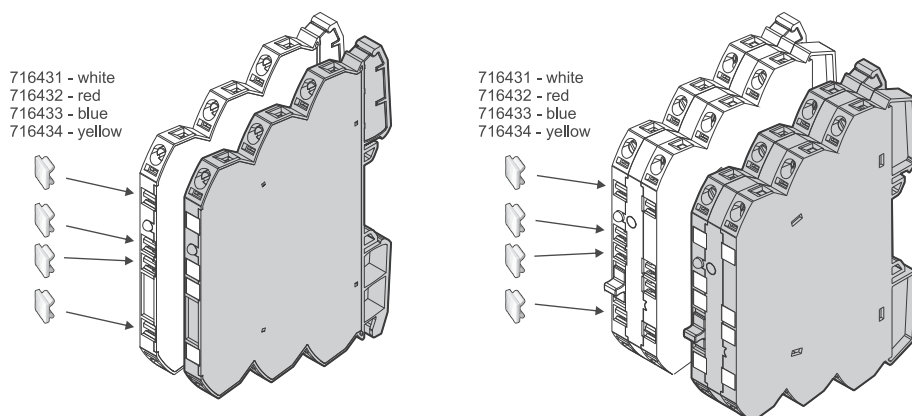
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element DC 30 V / DC 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-AC/DC-2L-701020-PI
Part No.	764070.1020

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC 230 V
Input voltage range	AC 184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	AC 3.3 mA
Protection device Input	Bridge rectifier
Status display input	LED green
Interrupting voltage	<AC 80 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 2A

Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: max. DC 2 A @ +40 °C >40 °C: linear and dropping to 0 A -0.2 A/°C @ $U_{\text{ein}} = \text{AC } 253 \text{ V}$ -0.1 A/°C @ $U_{\text{ein}} = \text{AC } 230 \text{ V}$
Leak current	<DC 1 mA
Switch-on delay	6 ms (@DC)
Shutdown delay	15 ms (@DC)
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	2.5 kV _{eff}
Safe isolation	no
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

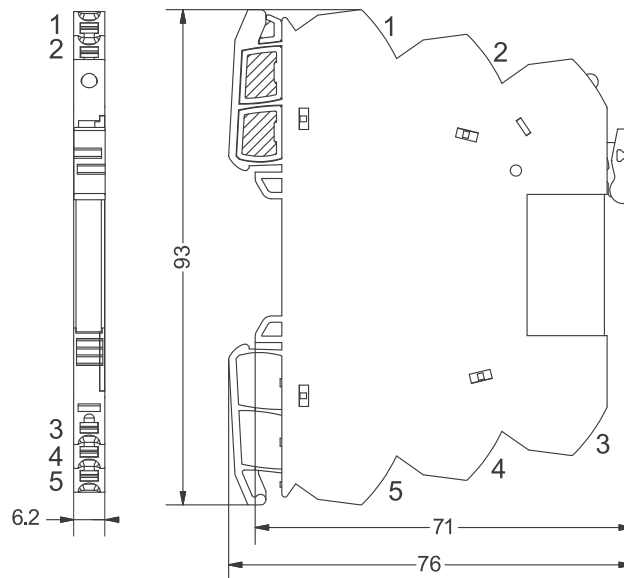
Technical data sheet

Interface Technology · LCIS Solid State Relay

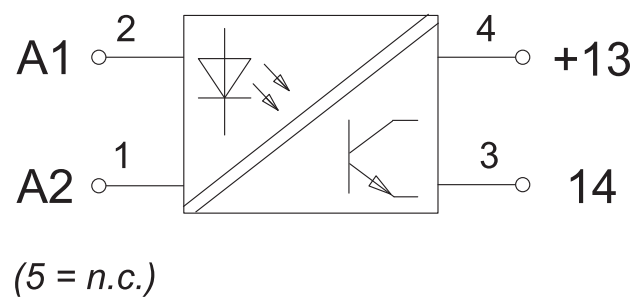
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

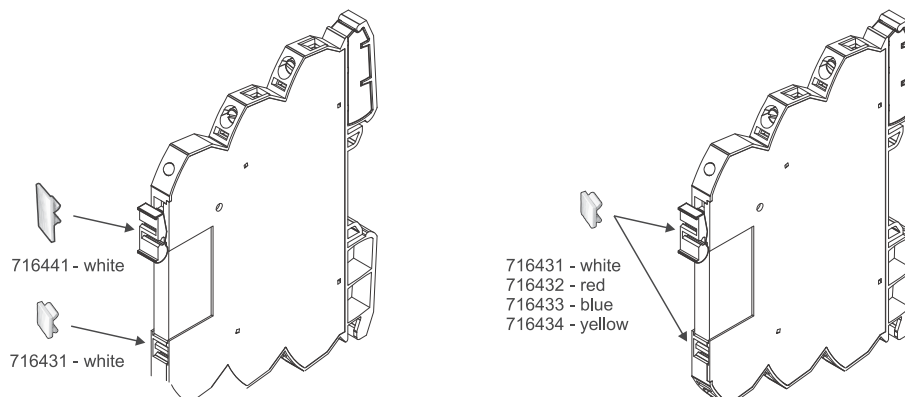
Dimensions



PIN assignment



Use



Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 3-conductor technology

Switching element max. DC 30 V / 3 A

Screw terminal / Push-In



Identification

Type	LCIS-SRKF-AC/DC-3L-800350-PI
Part No.	764080.0350

Product version

Datasheet version	04
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Input

Rated voltage U_N	AC/DC 110–230 V
Load	AC 230 V/0.75 A
Input voltage range	110 V – 230 V
Rated current I_N	4 mA
Protection device Input	Varistor
Status display input	LED green
Interrupting voltage	<46 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	1 mA
Max. switching current	3 A
Inrush current	20 A/20 ms @ 1 Hz
Leak current	<100 μ A
Switch-on delay	<0.3 ms

Technical data sheet

Interface Technology · LCIS Solid State Relay

Shutdown delay	<0.4 ms
Protection device	Suppressor diode
Short circuit	Short circuit protection
Switching frequency	Max. 10 Hz
Degree of protection	IP20

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

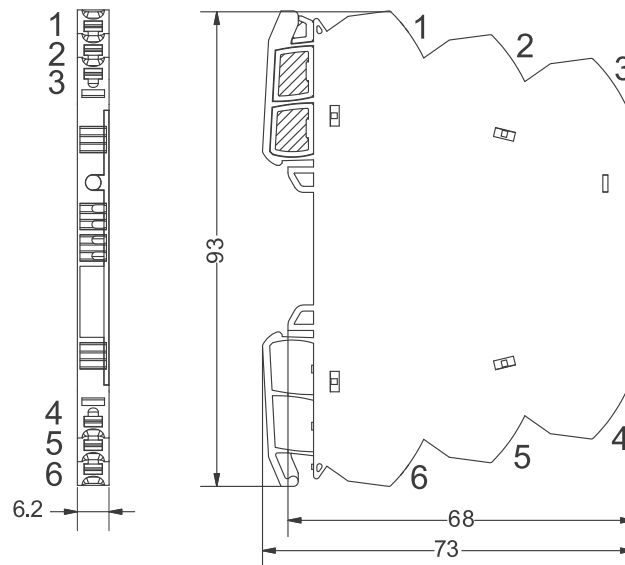
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1

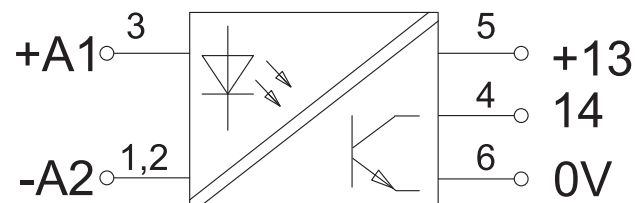
Technical data sheet

Interface Technology · LCIS Solid State Relay

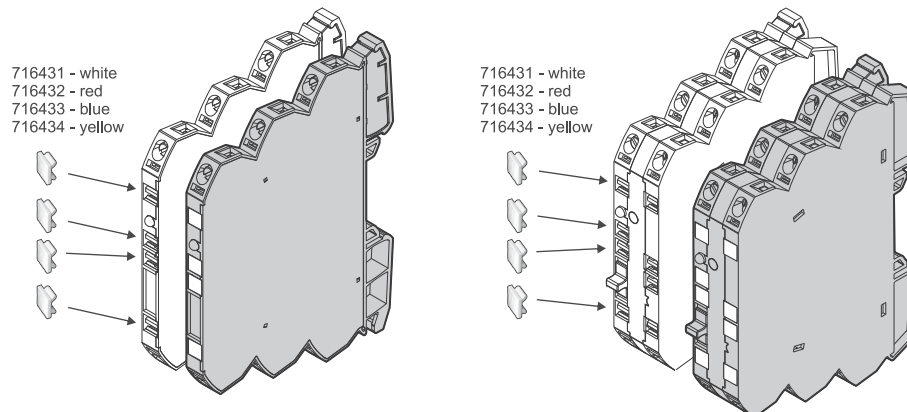
Dimensions

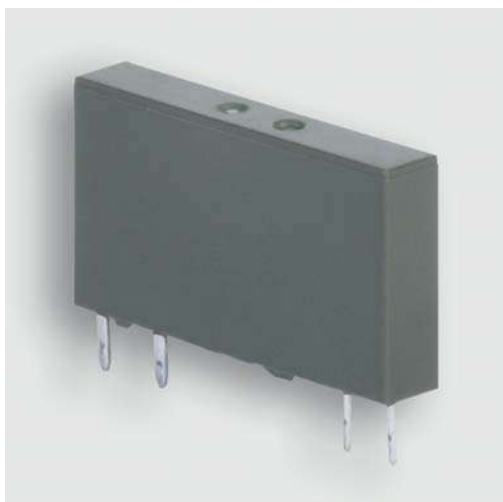


PIN assignment



Use





Identification	Type	Relais-SNR 12V 1W
	Part-No.	768001
Description		
	Replacement relay, 1 CO contact / SPDT relay, AC/DC 250 V, 6 A, 1500 VA / 144 W	
Input		
Rated voltage U _N	DC 12 V	
Input voltage	DC: ±30 %	
Power consumption	DC: 170 mW	
Interrupting voltage	DC: >0.1 U _N	
Output		
Contact type	1 changeover contacts / SPDT	
Min. switching voltage	AC/DC 17 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AC/DC 5 mA	
Max. switching current	6 A	
Switching capacity DC 13	1 A @ 24 V, 200 mA @ 115 V, 100 mA @ 250 V	
Switching capacity AC 15	3 A	
Max. switching capacity	1500 VA / 144 W	
Resistor	<100 mΩ	

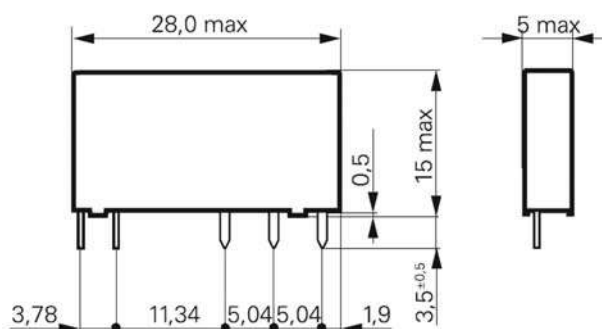
Technical data sheet • Interface Technology

Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	2.5 ms
Rated insulation voltage (EN 50178)	AC 250 V
Over voltage category	III
Degree of pollution	3
Switching frequency	with load: 6 cycles/minute, without load 1,200 cycles/minute

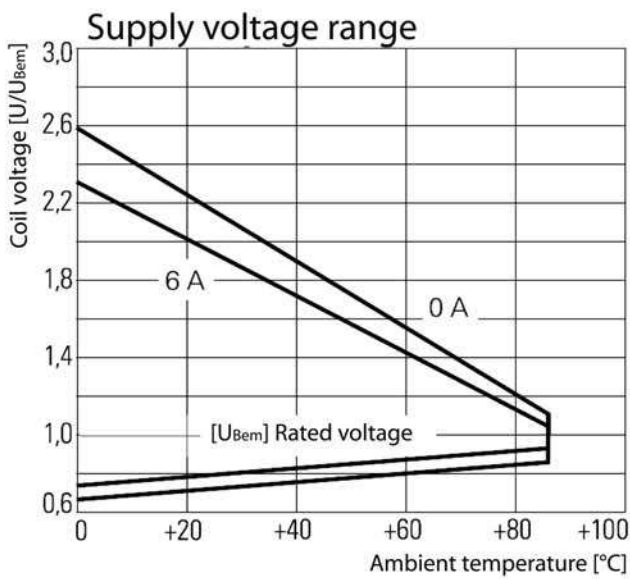
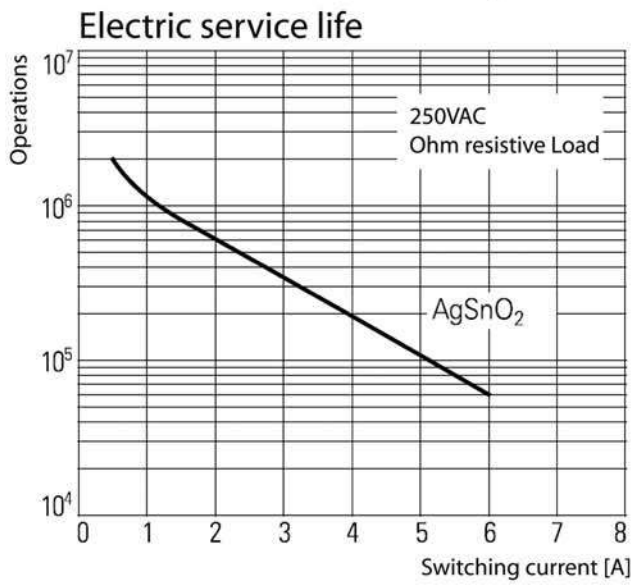
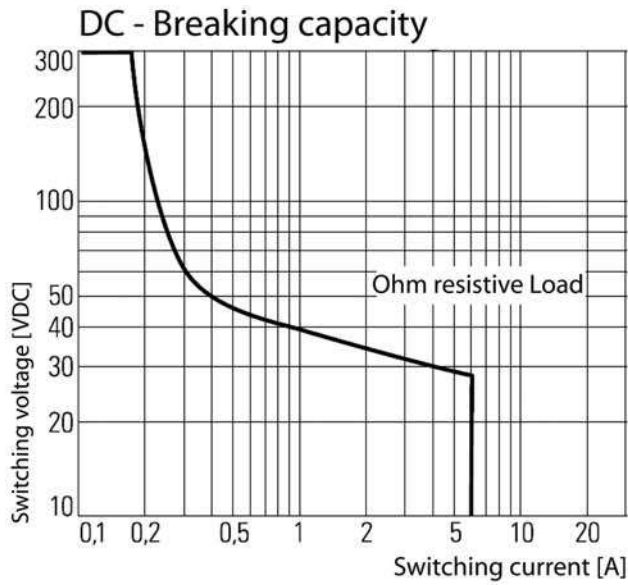
General

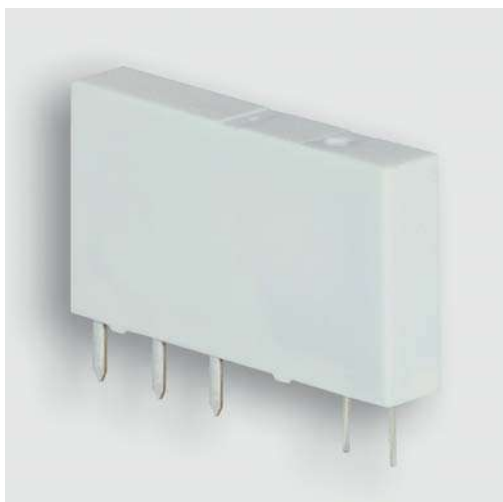
Protection class	RTIII – wash-tight
Shock resistance	5g
Vibration resistance	6 g, 10...150 Hz
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >6 mm, creepage clearance: >8 mm
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Dimensions (w × h × d)	5.0 × 28.0 × 15.0 mm
Weight	0.006 kg/piece
Connection device	plug-in
Approvals	VDE cULus

Dimensions



Load limit curve





Identification	Type	Relais-SNR 24V 1W
	Part-No.	768002
Description		
	Replacement relay, 1 CO contact / SPDT relay, AC/DC 250 V, 6 A, 1500 VA / 144 W	
Input		
Rated voltage U _N	DC 24 V	
Input voltage	DC: ±30 %	
Power consumption	DC: 170 mW	
Interrupting voltage	DC: >0.1 U _N	
Output		
Contact type	1 changeover contacts / SPDT	
Min. switching voltage	AC/DC 17 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AC/DC 5 mA	
Max. switching current	6 A	
Switching capacity DC 13	1 A @ 24 V, 200 mA @ 115 V, 100 mA @ 250 V	
Switching capacity AC 15	3 A	
Max. switching capacity	1500 VA / 144 W	
Resistor	<100 mΩ	

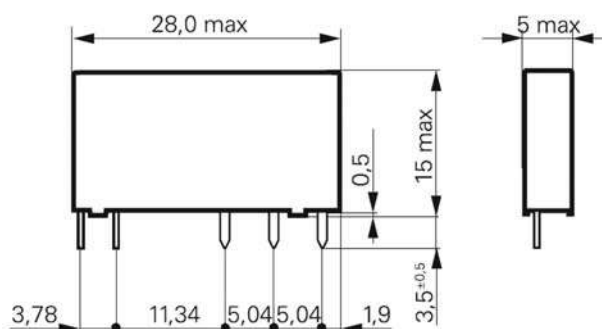
Technical data sheet • Interface Technology

Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	2.5 ms
Rated insulation voltage (EN 50178)	AC 250 V
Over voltage category	III
Degree of pollution	3
Switching frequency	with load: 6 cycles/minute, without load 1,200 cycles/minute

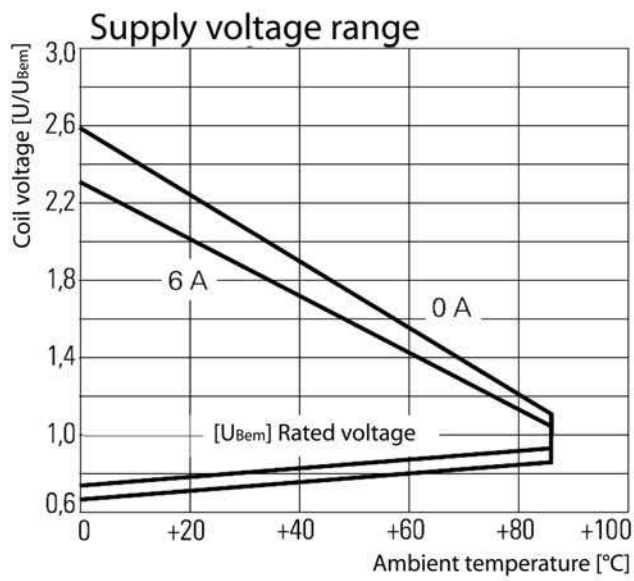
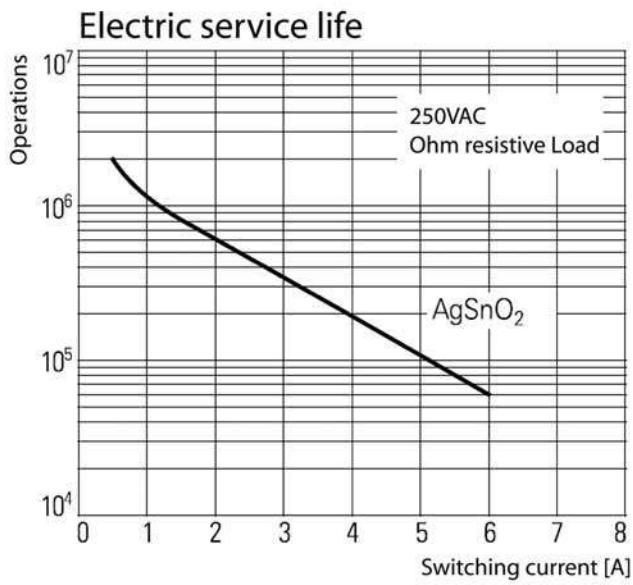
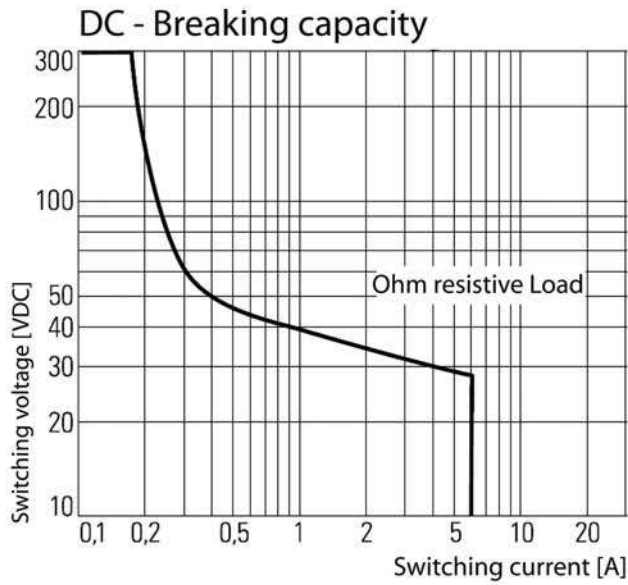
General

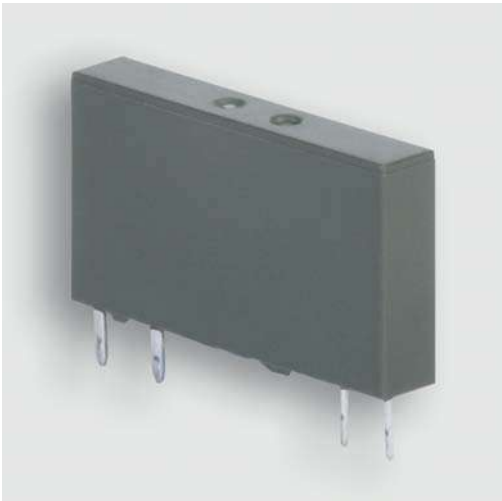
Protection class	RTIII – wash-tight
Shock resistance	5g
Vibration resistance	6 g, 10...150 Hz
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >6 mm, creepage clearance: >8 mm
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Dimensions (w × h × d)	5.0 × 28.0 × 15.0 mm
Weight	0.006 kg/piece
Connection device	plug-in
Approvals	VDE cULus

Dimensions



Load limit curve





Identification	Type Part-No.	Relais-SNR 60V 1W 768003
Description	Replacement relay, 1 CO contact / SPDT relay, AC/DC 250 V, 6 A, 1500 VA / 144 W	
Input		
Rated voltage U_N	DC 60 V	
Input voltage	DC: $\pm 30\%$	
Power consumption	DC: 170 mW	
Interrupting voltage	DC: $>0.1 U_N$	
Output		
Contact type	1 changeover contacts / SPDT	
Min. switching voltage	AC/DC 17 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AC/DC 5 mA	
Max. switching current	6 A	
Switching capacity DC 13	1 A @ 24 V, 200 mA @ 115 V, 100 mA @ 250 V	
Switching capacity AC 15	3 A	
Max. switching capacity	1500 VA / 144 W	
Resistor	$<100\text{ m}\Omega$	

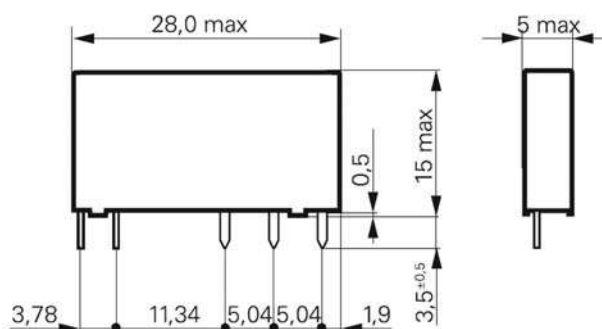
Technical data sheet • Interface Technology

Contact material	AgSnO ₂
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	2.5 ms
Rated insulation voltage (EN 50178)	AC 250 V
Over voltage category	III
Degree of pollution	3
Switching frequency	with load: 6 cycles/minute, without load 1,200 cycles/minute

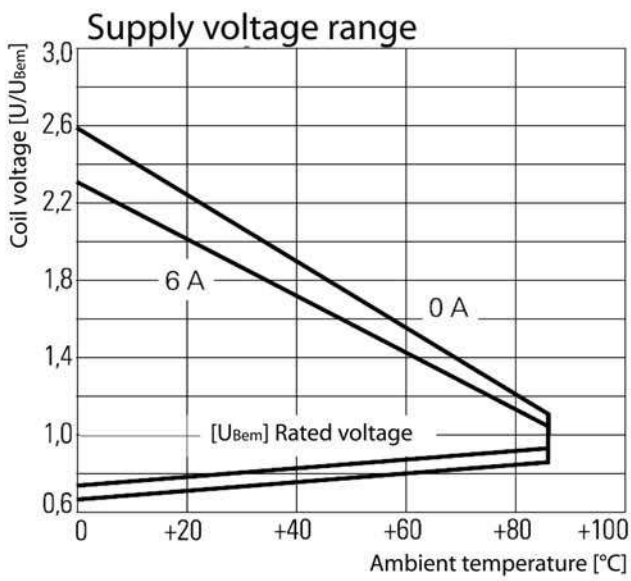
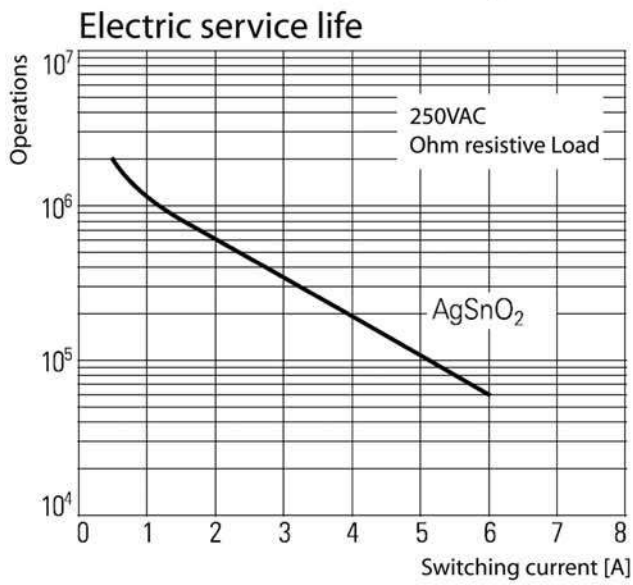
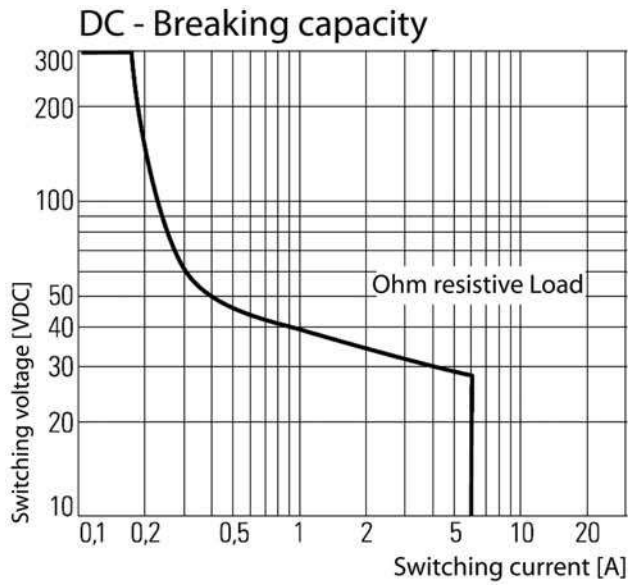
General

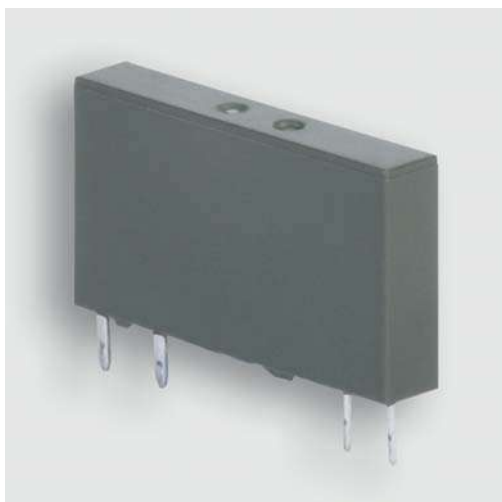
Protection class	RTIII – wash-tight
Shock resistance	5g
Vibration resistance	6 g, 10...150 Hz
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >6 mm, creepage clearance: >8 mm
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Dimensions (w × h × d)	5.0 × 28.0 × 15.0 mm
Weight	0.006 kg/piece
Connection device	plug-in
Approvals	VDE cULus

Dimensions



Load limit curve





Identification	Type Part-No.	Relais-SNR 24V 1W htv 768006
Description	Replacement relay, 1 CO contact / SPDT relay, AC/DC 250 V, 6 A, 1500 VA / 144 W	
Input		
Rated voltage U _N	DC 24 V	
Input voltage	DC: ±30 %	
Power consumption	DC: 170 mW	
Interrupting voltage	DC: >0.1 U _N	
Output		
Contact type	1 changeover contacts / SPDT	
Min. switching voltage	AC/DC 1 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AC/DC 1 mA	
Max. switching current	6 A	
Switching capacity DC 13	1 A @ 24 V, 200 mA @ 115 V, 100 mA @ 250 V	
Switching capacity AC 15	3 A	
Max. switching capacity	1500 VA / 144 W	
Resistor	<30 mΩ	

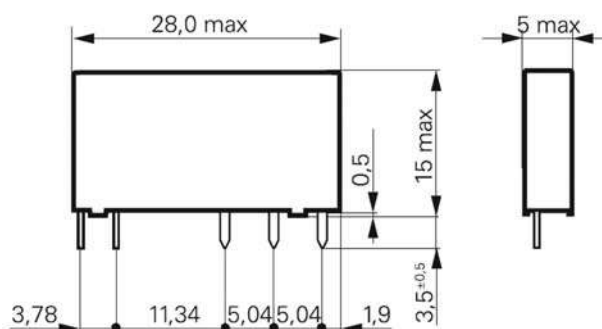
Technical data sheet • Interface Technology

Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	2.5 ms
Rated insulation voltage (EN 50178)	AC 250 V
Over voltage category	III
Degree of pollution	3
Switching frequency	with load: 6 cycles/minute, without load 1,200 cycles/minute

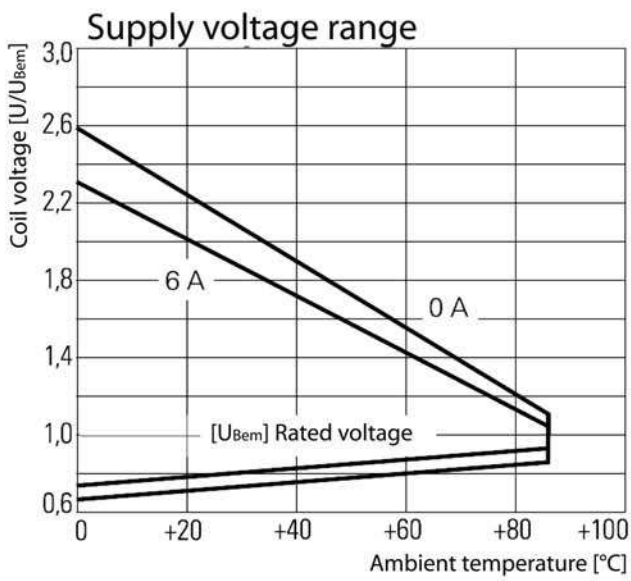
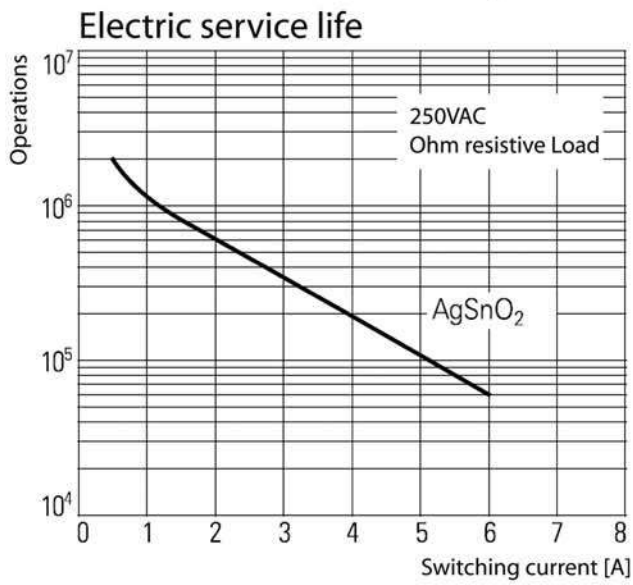
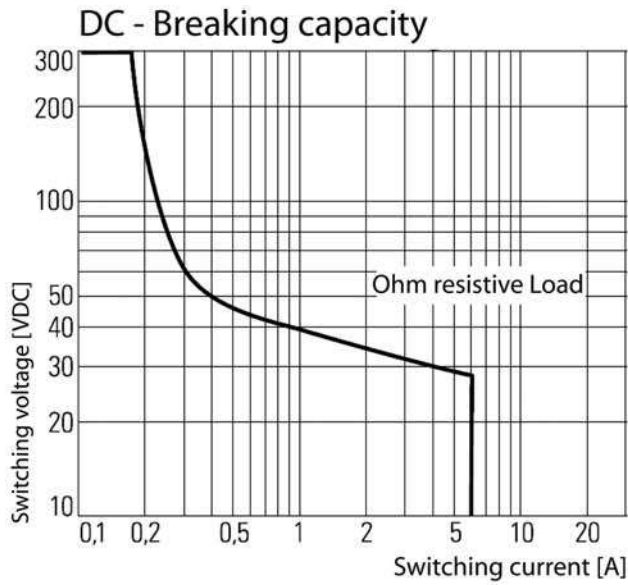
General

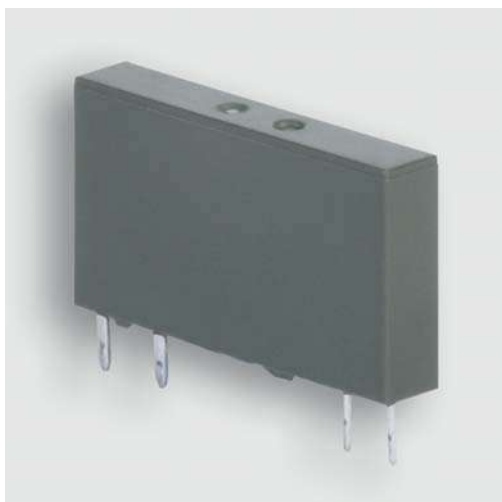
Protection class	RTIII – wash-tight
Shock resistance	5g
Vibration resistance	6 g, 10...150 Hz
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >6 mm, creepage clearance: >8 mm
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Dimensions (w × h × d)	5.0 × 28.0 × 15.0 mm
Weight	0.006 kg/piece
Connection device	plug-in
Approvals	VDE cULus

Dimensions



Load limit curve





Identification	Type Part-No.	Relais-SNR 60V 1W htv 768007
Description	Replacement relay, 1 CO contact / SPDT relay, AC/DC 250 V, 6 A, 1500 VA / 144 W	
Input		
Rated voltage U_N	DC 60 V	
Input voltage	DC: $\pm 30\%$	
Power consumption	DC: 170 mW	
Interrupting voltage	DC: $>0.1 U_N$	
Output		
Contact type	1 changeover contacts / SPDT	
Min. switching voltage	AC/DC 1 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AC/DC 1 mA	
Max. switching current	6 A	
Switching capacity DC 13	1 A @ 24 V, 200 mA @ 115 V, 100 mA @ 250 V	
Switching capacity AC 15	3 A	
Max. switching capacity	1500 VA / 144 W	
Resistor	$<30\text{ m}\Omega$	

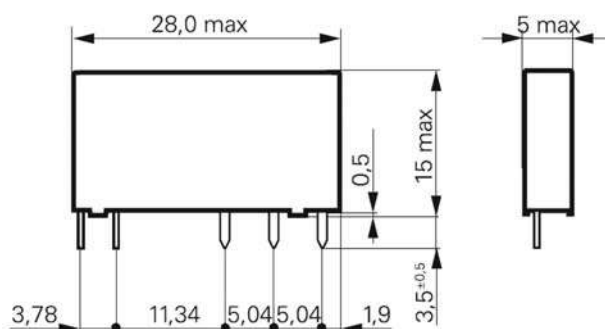
Technical data sheet • Interface Technology

Contact material	AgSnO ₂ + 5 µm HV
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	5 ms
Shutdown delay	2.5 ms
Rated insulation voltage (EN 50178)	AC 250 V
Over voltage category	III
Degree of pollution	3
Switching frequency	with load: 6 cycles/minute, without load 1,200 cycles/minute

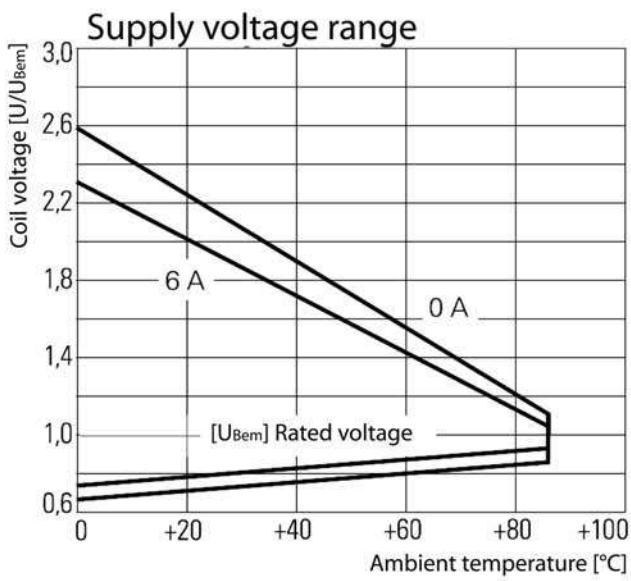
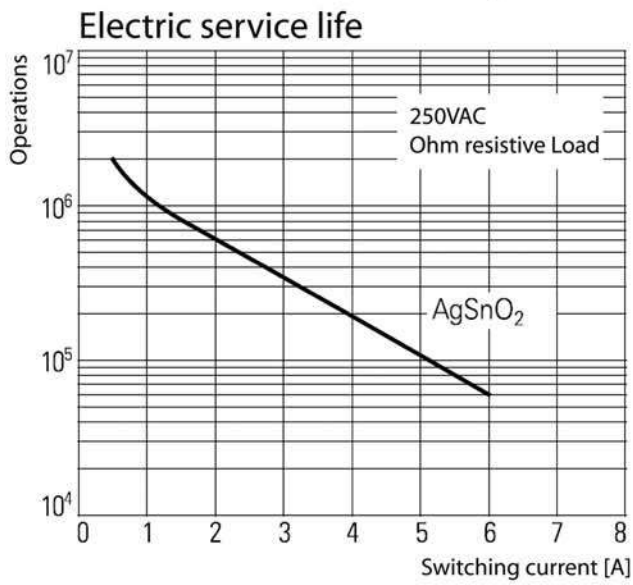
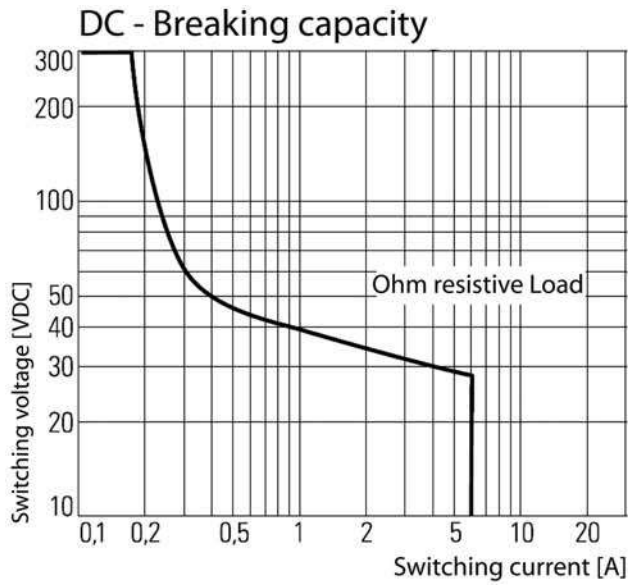
General

Protection class	RTIII – wash-tight
Shock resistance	5g
Vibration resistance	6 g, 10...150 Hz
Insulation voltage input / output	4.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >6 mm, creepage clearance: >8 mm
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Dimensions (w × h × d)	5.0 × 28.0 × 15.0 mm
Weight	0.006 kg/piece
Connection device	plug-in
Approvals	VDE cULus

Dimensions



Load limit curve





Identification	Type	REP-0041 2W DC24V
	Part-No.	770041
Description		
	DC-Relay-Interface, 2 CO contact / DPDT, pluggable AC 400 V / DC 300 V, 8 A, 2000 VA	
Input		
Rated voltage U_N	DC 24 V	
Input voltage range	16.8 V – 31.2 V	
Rated current I_N	0.016 A	
Protection device Input	Free-wheeling diode	
Status display input	LED green	
Power consumption	0.4 W	
Interrupting voltage	<2.4 V	
Output		
Contact type	2 changeover contacts / DPDT	
Switching element	Relays	
Min. switching voltage	AC/DC 5 V	
Max. switching voltage	AC 400 V / DC 300 V	
Min. switching current	AgNi: AC/DC 5 mA	
Max. switching current	AC/DC 8 A	

Technical data sheet · Interface Technology

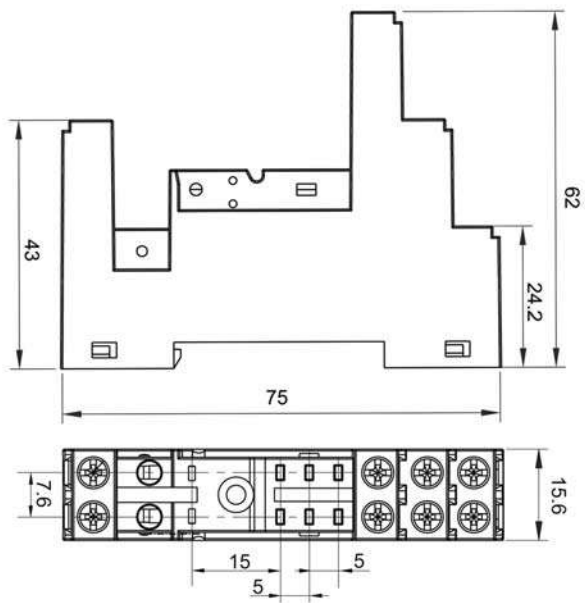
Switching capacity DC 13	2 A @ 24 V, 300 mA @ 115 V, 150 mA @ 230 V
Switching capacity AC 15	3.1 A @ 24 V, 2 A @ 230 V
Max. switching capacity	2000 VA
Contact material	AgNi
Mechanical service life	>10 ⁷ operations
Switch-on delay	15 ms
Shutdown delay	5 ms
Protection device	none
Rated insulation voltage (EN 50178)	AC 400 V (category C 250)

General

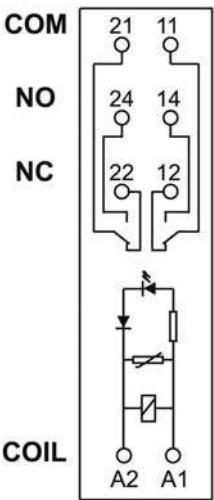
Housing material	PA 6.6 + GF V0 (UL)
Color of the housing	black
Protection class	IP20
Mounting	DIN rail mountable TS35
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	15.6 × 75.0 × 67.0 mm (including mounting bracket)
Weight	0.062 kg/piece
Connection type	Screw terminal 0.20 mm ² – 4.0 mm ²
Standards	EN 60947-4-1
Certifications	cULus
PU	10 piece

Technical data sheet · Interface Technology

Dimensions



PIN assignment



AC version

Technical data sheet

Interface Technology · LCIS Relay Module

DC-Relay-Interface, 1 CO contact / SPDT, pluggable

AC / DC 300 V, 16 A, 4000 VA

Push-In, contact material: AgNi



Identification

Type	LCIS2-RSP12DC-PI-1U
Part No.	770042

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 12 V
Input voltage range	8.4 V – 18 V
Rated current I_N	0.035 A
Protection device Input	Free-wheeling diode
Status display input	LED green
Power consumption	0.4 W
Interrupting voltage	<1.2 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 16 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	4000 VA
Contact material	AgNi

Technical data sheet

Interface Technology · LCIS Relay Module

Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

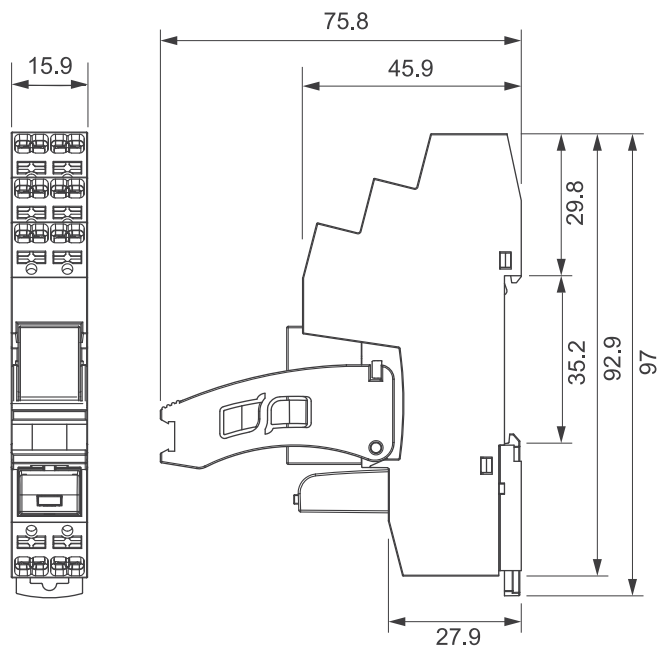
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

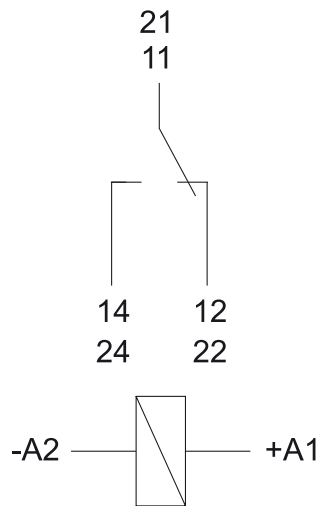
Certifications/Standards

Certifications	cURus
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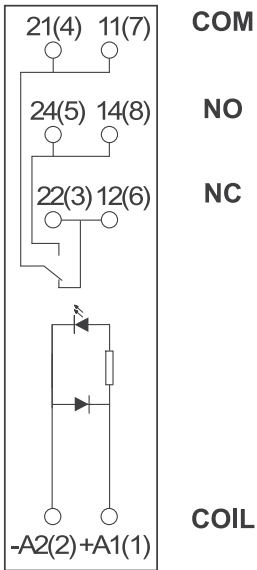
Dimensions



PIN assignment



Circuit diagram



DC version

Technical data sheet

Interface Technology · LCIS Relay Module

DC-Relay-Interface, 1 CO contact / SPDT, pluggable

AC / DC 300 V, 16 A, 4000 VA

Push-In, contact material: AgNi



Identification

Type	LCIS2-RSP24DC-PI-1U
Part No.	770043

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 24 V
Input voltage range	16.8 V – 36 V
Rated current I_N	0.018 A
Protection device Input	Free-wheeling diode
Status display input	LED green
Power consumption	0.4 W
Interrupting voltage	<2.4 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 16 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	4000 VA
Contact material	AgNi

Technical data sheet

Interface Technology · LCIS Relay Module

Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

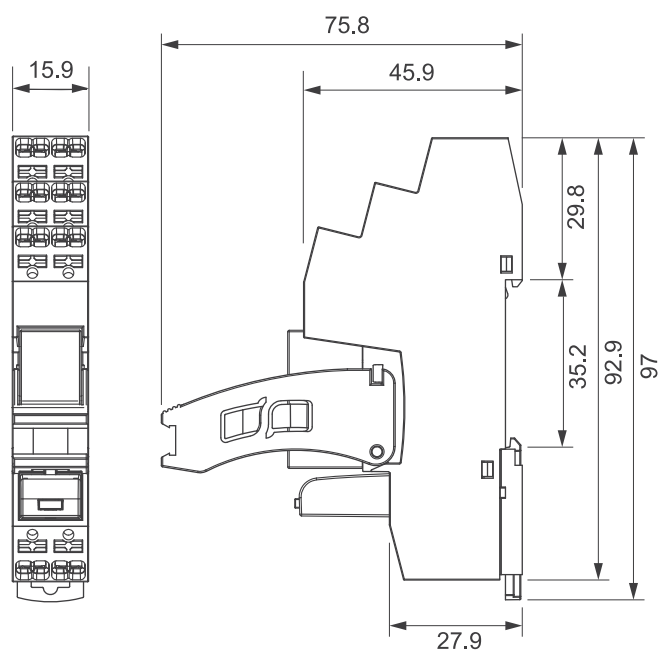
Certifications/Standards

Certifications	cURus
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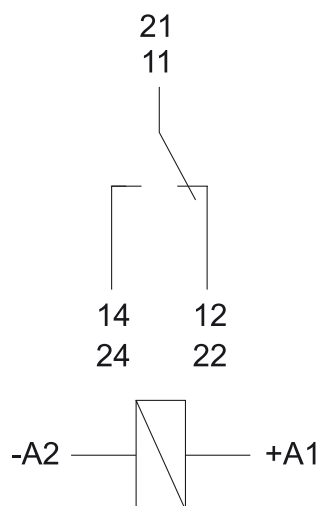
Technical data sheet

Interface Technology · LCIS Relay Module

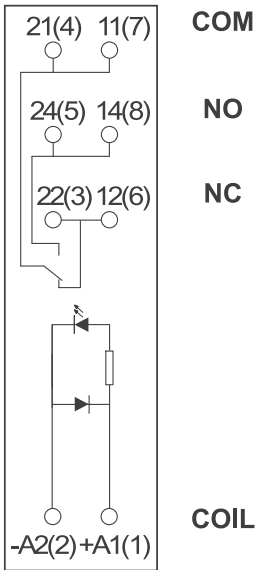
Dimensions



PIN assignment



Circuit diagram



DC version

Technical data sheet

Interface Technology · LCIS Relay Module

AC-Relay-Interface, 1 CO contact, pluggable

AC / DC 300 V, 16 A, 4000 VA

Push-In, contact material: AgNi



Identification

Type	LCIS2-RSP115AC-PI-1U
Part No.	770044

Product version

Datasheet version	00
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Input

Rated voltage U_N	AC 115 V
Input voltage range	96 V – 144 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	0.14 A
Protection device Input	Varistor
Status display input	LED green
Power consumption	0.75 VA
Interrupting voltage	<18 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 16 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	4000 VA

Technical data sheet

Interface Technology · LCIS Relay Module

Contact material	AgNi
Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 60664-1- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

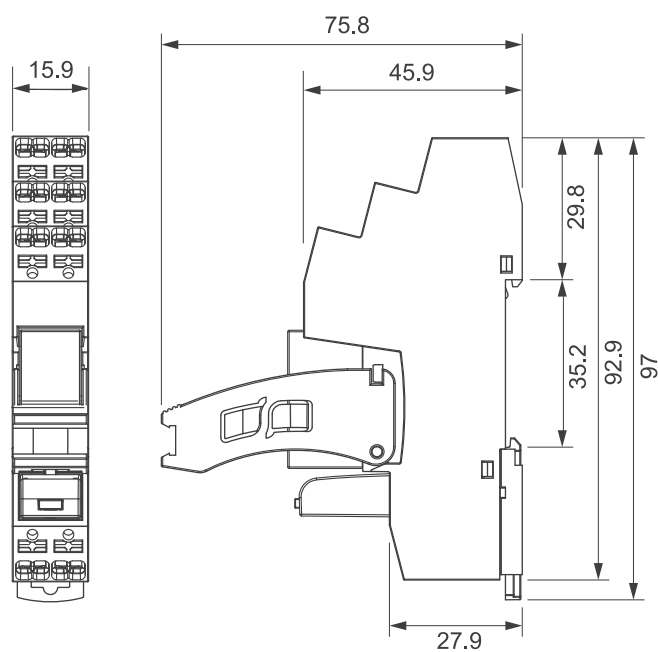
Certifications/Standards

Certifications	cURus
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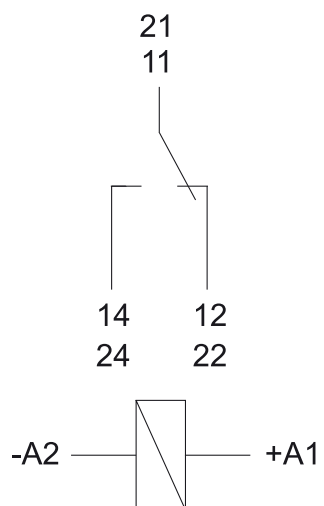
Technical data sheet

Interface Technology · LCIS Relay Module

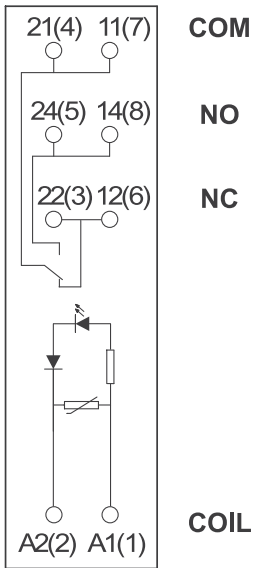
Dimensions



PIN assignment



Circuit diagram



AC version

Technical data sheet

Interface Technology · LCIS Relay Module

AC-Relay-Interface, 1 CO contact, pluggable

AC / DC 300 V, 16 A, 4000 VA

Push-In, contact material: AgNi



Identification

Type	LCIS2-RSP230AC-PI-1U
Part No.	770045

Product version

Datasheet version	00
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Input

Rated voltage U_N	AC 230 V
Input voltage range	184 V – 276 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	0.007 A
Protection device Input	Varistor
Status display input	LED green
Power consumption	0.75 VA
Interrupting voltage	<34.5 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 16 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	4000 VA

Technical data sheet

Interface Technology · LCIS Relay Module

Contact material	AgNi
Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 60664-1- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

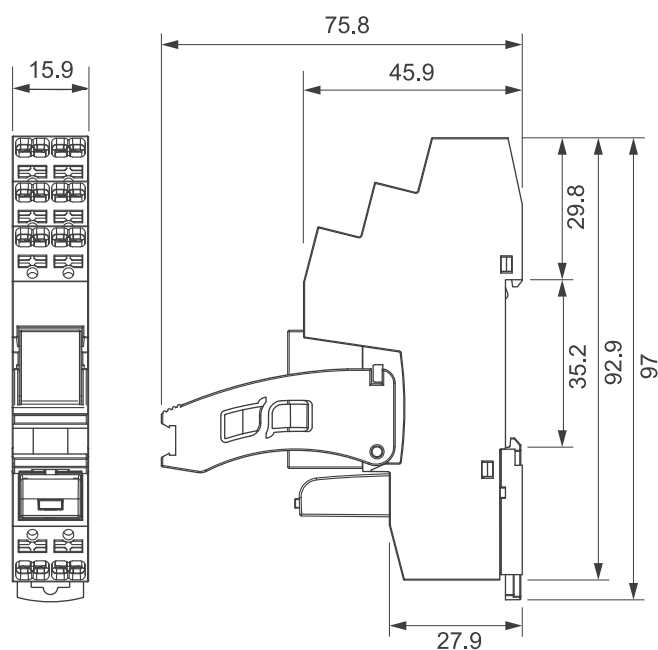
Certifications/Standards

Certifications	cURus
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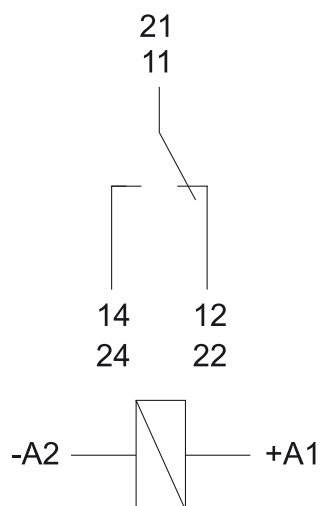
Technical data sheet

Interface Technology · LCIS Relay Module

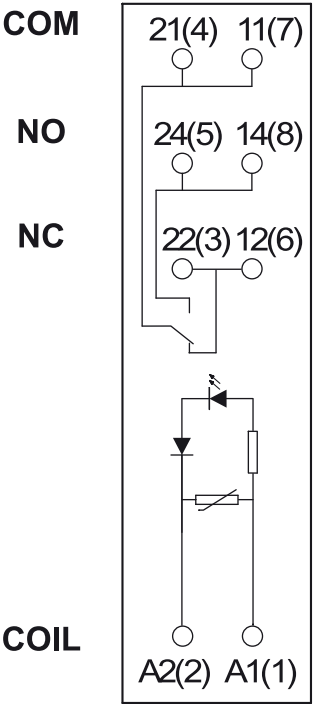
Dimensions



PIN assignment



Circuit diagram



AC version

Technical data sheet

Interface Technology · LCIS Relay Module

DC-Relay-Interface, 2 CO contact / DPDT, pluggable

AC / DC 300 V, 8 A, 2000 VA

Push-In, Contact material: AgNi



Identification

Type	LCIS2-RSP12DC-PI-2U
Part No.	770052

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 12 V
Input voltage range	8.4 V – 18 V
Rated current I_N	0.035 A
Protection device Input	Free-wheeling diode
Status display input	LED green
Power consumption	0.4 W
Interrupting voltage	<1.2 V

Output

Contact type	2 changeover contacts / DPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 8 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	2000 VA
Contact material	AgNi

Technical data sheet

Interface Technology · LCIS Relay Module

Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

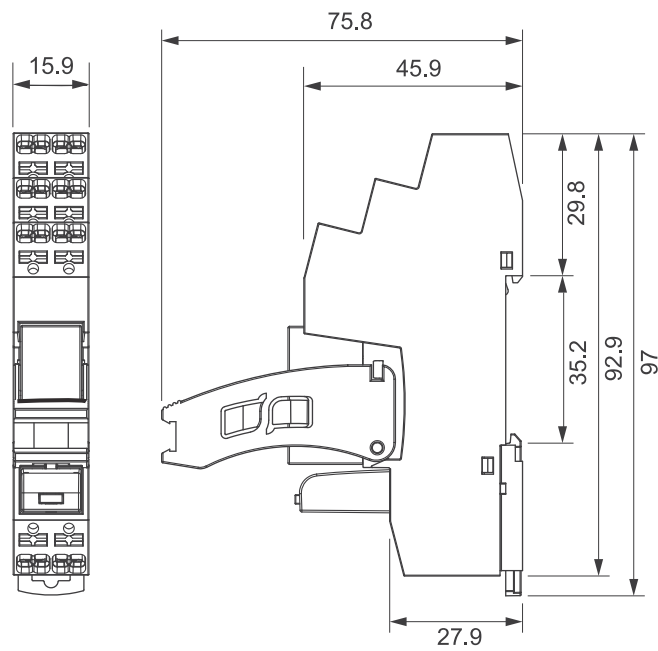
Certifications/Standards

Certifications	cURus
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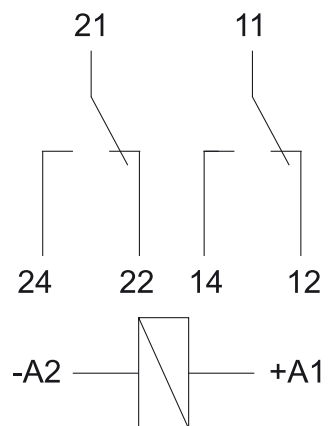
Technical data sheet

Interface Technology · LCIS Relay Module

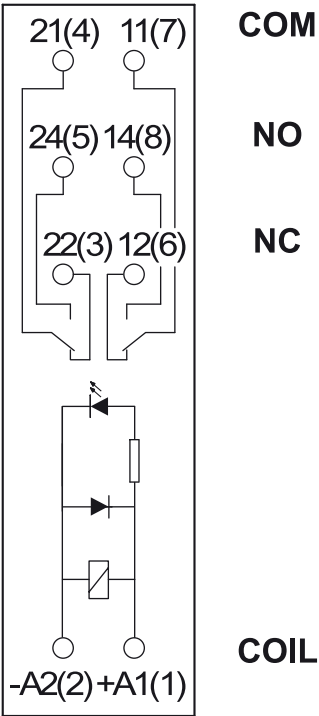
Dimensions



PIN assignment



Circuit diagram



DC version

Technical data sheet

Interface Technology · LCIS Relay Module

DC-Relay-Interface, 2 CO contact / DPDT, pluggable

AC / DC 300 V, 8 A, 2000 VA

Push-In, Contact material: AgN



Identification

Type	LCIS2-RSP24DC-PI-2U
Part No.	770053

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 24 V
Input voltage range	16.8 V – 31.2 V
Rated current I_N	0.018 A
Protection device Input	Free-wheeling diode
Status display input	LED green
Power consumption	0.4 W
Interrupting voltage	<2.4 V

Output

Contact type	2 changeover contacts / DPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 8 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	2000 VA
Contact material	AgNi

Technical data sheet

Interface Technology · LCIS Relay Module

Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

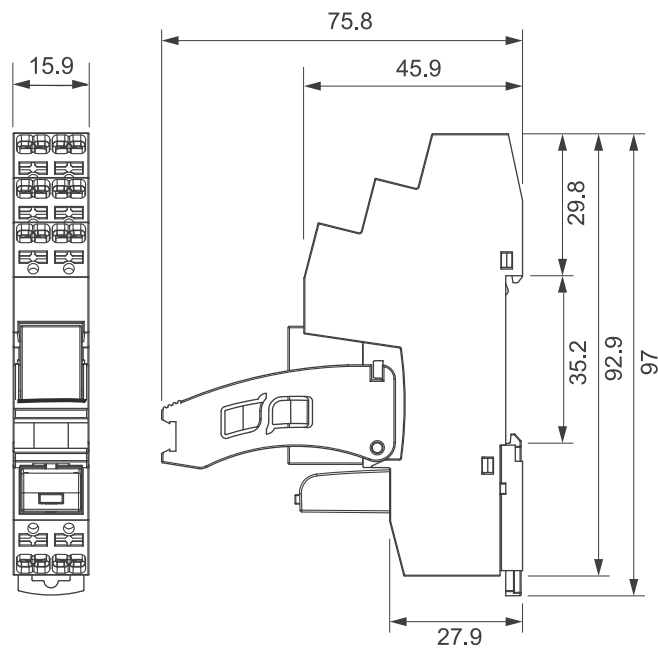
Certifications/Standards

Certifications	cURus
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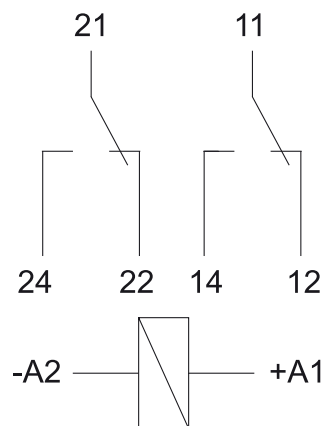
Technical data sheet

Interface Technology · LCIS Relay Module

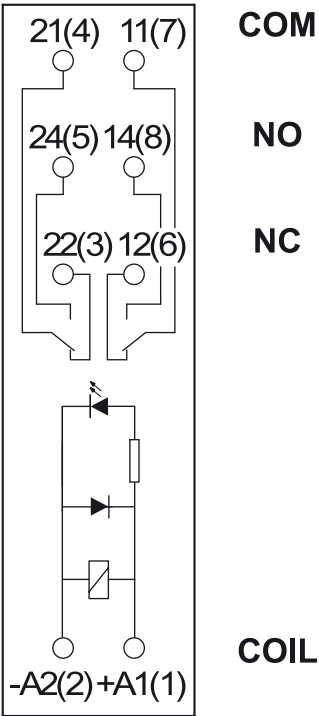
Dimensions



PIN assignment



Circuit diagram



DC version

Technical data sheet

Interface Technology · LCIS Relay Module

AC-Relay-Interface, 2 CO contact, pluggable

AC / DC 300 V, 8 A, 2000 VA

Push-In, contact material: AgNi



Identification

Type	LCIS2-RSP115AC-PI-2U
Part No.	770054

Product version

Datasheet version	00
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Input

Rated voltage U_N	AC 115 V
Input voltage range	96 V – 144 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	0.014 A
Protection device Input	Varistor
Status display input	LED green
Power consumption	0.75 VA
Interrupting voltage	<18 V

Output

Contact type	2 changeover contacts / DPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 8 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	2000 VA

Technical data sheet

Interface Technology · LCIS Relay Module

Contact material	AgNi
Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 60664-1- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

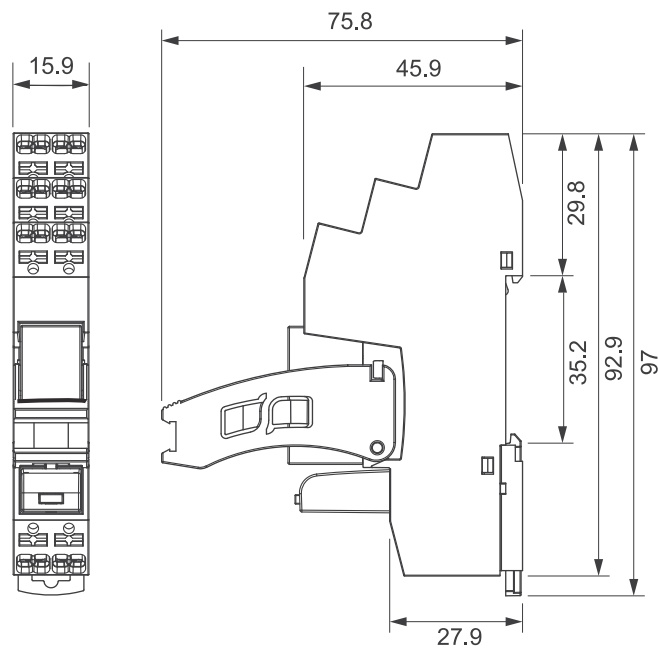
Certifications/Standards

Certifications	cURus
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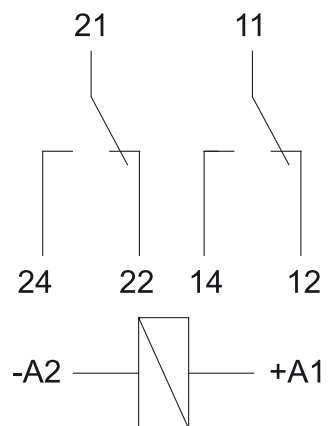
Technical data sheet

Interface Technology · LCIS Relay Module

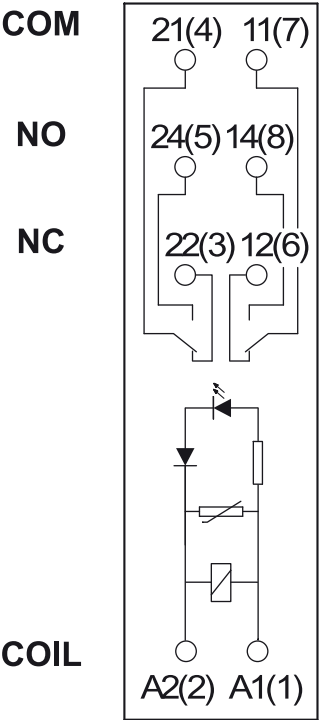
Dimensions



PIN assignment



Circuit diagram



AC version

Technical data sheet

Interface Technology · LCIS Relay Module

AC-Relay-Interface, 2 CO contact, pluggable

AC / DC 300 V, 8 A, 2000 VA

Push-In, contact material: AgNi



Identification

Type	LCIS2-RSP230AC-PI-2U
Part No.	770055

Product version

Datasheet version	00
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Input

Rated voltage U_N	AC 230 V
Input voltage range	184 V – 276 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	0.07 A
Protection device Input	Varistor
Status display input	LED green
Power consumption	0.75 VA
Interrupting voltage	<34.5 V

Output

Contact type	2 changeover contacts / DPDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 300 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 8 A
Switching capacity DC 13	2 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	3 A @ 120 V, 1.5 A @ 240 V
Max. switching capacity	2000 VA

Technical data sheet

Interface Technology · LCIS Relay Module

Contact material	AgNi
Mechanical service life	> 3 x 10 ⁷ operations
Switch-on delay	7 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 60664-1- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.065 kg
PU (units)	10

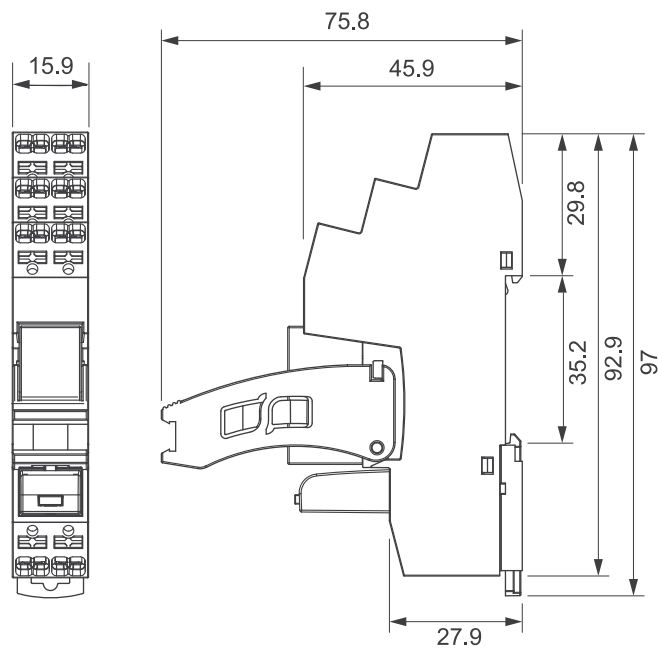
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

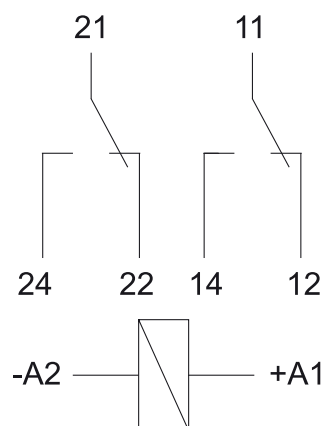
Certifications/Standards

Certifications	cURus
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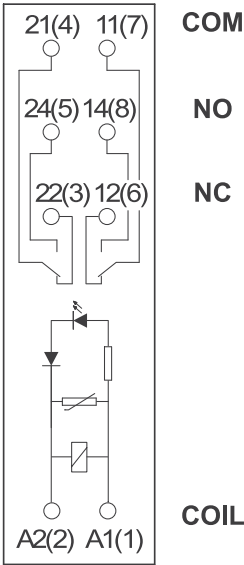
Dimensions



PIN assignment



Circuit diagram



AC version

Technical data sheet

Interface Technology · LCIS Relay Module

DC-Relay-Interface, 4 CO contact / 4PDT, pluggable

AC / DC 250 V, 6 A, 1500 VA

Push-In, Contact material: AgNi



Identification

Type	LCIS3-RSI12DC-PI-4U
Part No.	770062

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 12 V
Input voltage range	9.6 V – 13.2 V
Rated current I_N	0.09 A
Protection device Input	Free-wheeling diode
Status display input	LED green
Power consumption	0.9 W
Interrupting voltage	<1.2 V

Output

Contact type	4 changeover contacts / 4PDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1.8 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	1.5 A @ 120 V, 0.75 A @ 250 V
Max. switching capacity	1500 VA
Contact material	AgNi

Technical data sheet

Interface Technology · LCIS Relay Module

Mechanical service life	> 2 x 10 ⁷ operations
Switch-on delay	13 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	1.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	Air clearance: >2 mm, creepage clearance: >3 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	31.0 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.117 kg
PU (units)	5

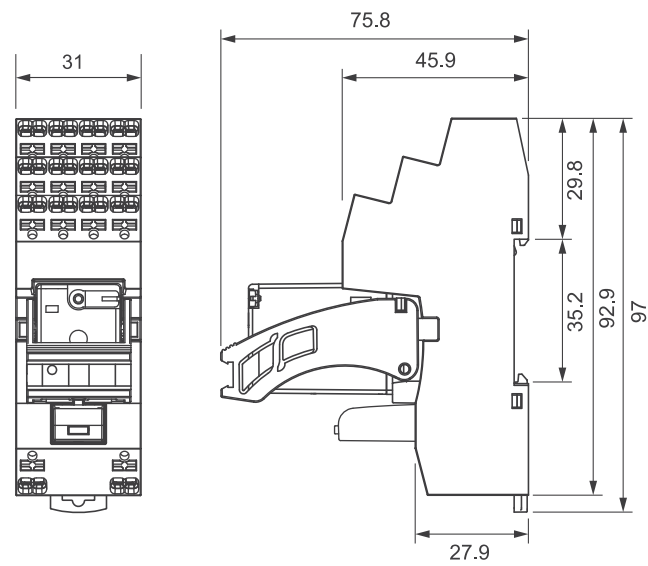
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

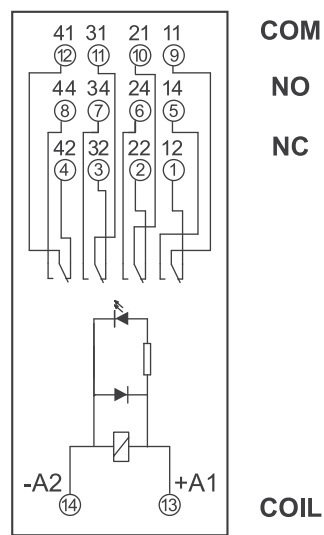
Certifications/Standards

Certifications	cURus
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Dimensions



Circuit diagram



DC version

Technical data sheet

Interface Technology · LCIS Relay Module

DC-Relay-Interface, 4 CO contact / 4PDT, pluggable

AC / DC 250 V, 6 A, 1500 VA

Push-In, Contact material: AgNi



Identification

Type	LCIS3-RSI24DC-PI-4U
Part No.	770063

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 26.4 V
Rated current I_N	0.039 A
Protection device Input	Free-wheeling diode
Status display input	LED green
Power consumption	0.9 W
Interrupting voltage	<2.4 V

Output

Contact type	4 changeover contacts / 4PDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1.8 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	1.5 A @ 120 V, 0.75 A @ 250 V
Max. switching capacity	1500 VA
Contact material	AgNi

Technical data sheet

Interface Technology · LCIS Relay Module

Mechanical service life	$> 2 \times 10^7$ operations
Switch-on delay	13 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	1.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >1.6 mm, creepage clearance: >3.2 mm
Connection type	Push-In $2 \times (0.20 \text{ mm}^2 - 1.5 \text{ mm}^2)$
Dimensions (w × h × d)	31.0 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.117 kg
PU (units)	5

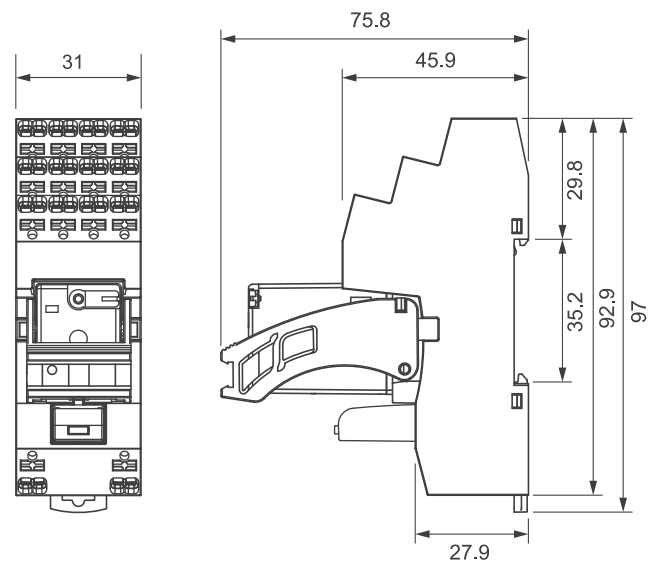
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

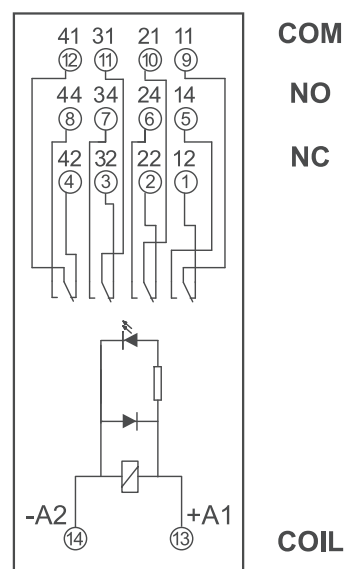
Certifications/Standards

Certifications	cURus
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Dimensions



Circuit diagram



DC version

Technical data sheet

Interface Technology · LCIS Relay Module

AC-Relay-Interface, 4 CO contact, pluggable

AC / DC 250 V, 6 A, 1500 VA

Push-In, contact material: AgNi



Identification

Type	LCIS3-RSI115AC-PI-4U
Part No.	770064

Product version

Datasheet version	00
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Input

Rated voltage U_N	AC 115 V
Input voltage range	96 V – 132 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	0.033 A
Protection device Input	Varistor
Status display input	LED green
Power consumption	1.6 VA
Interrupting voltage	<24 V

Output

Contact type	4 changeover contacts / 4PDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1.8 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	1.5 A @ 120 V, 0.75 A @ 250 V
Max. switching capacity	1500 VA

Technical data sheet

Interface Technology · LCIS Relay Module

Contact material	AgNi
Mechanical service life	> 2 x 10 ⁷ operations
Switch-on delay	13 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 606641- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	1.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	Air clearance: >1.6 mm, creepage clearance: >3.2 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	31.0 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.117 kg
PU (units)	5

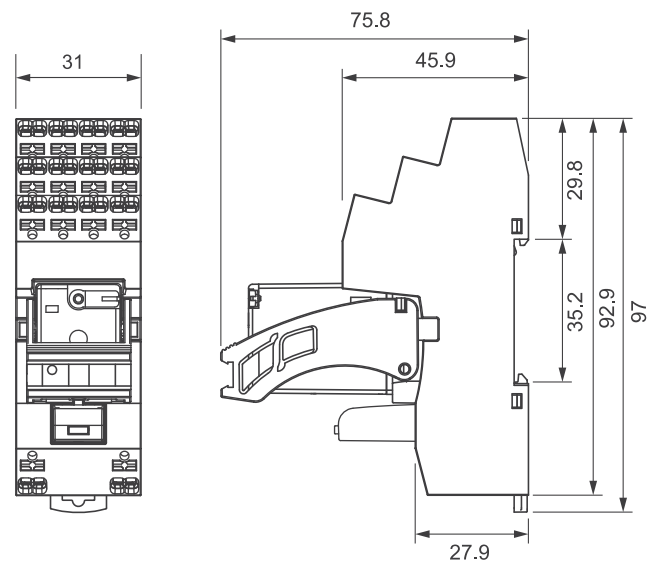
General ambient conditions

Operation temperature range	-40 °C ... +55 °C
Storage temperature range	-40 °C ... +85 °C

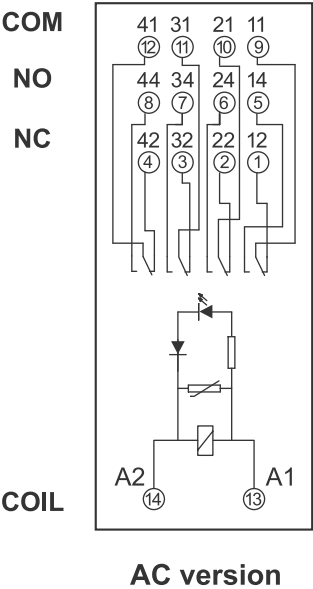
Certifications/Standards

Certifications	cURus
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Dimensions



Circuit diagram



Technical data sheet

Interface Technology · LCIS Relay Module

AC-Relay-Interface, 4 CO contact, pluggable

AC / DC 250 V, 6 A, 1500 VA

Push-In, contact material: AgNi



Identification

Type	LCIS3-RSI230AC-PI-4U
Part No.	770065

Product version

Datasheet version	00
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Input

Rated voltage U_N	AC 230 V
Input voltage range	184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	0.016 A
Protection device Input	Varistor
Status display input	LED green
Power consumption	1.6 VA
Interrupting voltage	<24 V

Output

Contact type	4 changeover contacts / 4PDT
Min. switching voltage	AC/DC 5 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A
Switching capacity DC 13	1.8 A @ 24 V, 220 mA @ 120 V, 100 mA @ 250 V
Switching capacity AC 15	1.5 A @ 120 V, 0.75 A @ 250 V
Max. switching capacity	1500 VA

Technical data sheet

Interface Technology · LCIS Relay Module

Contact material	AgNi
Mechanical service life	> 2 x 10 ⁷ operations
Switch-on delay	13 ms
Shutdown delay	3 ms
Protection device	None
Rated insulation voltage (EN 60664-1- AC 250 V 1)	
Degree of protection	IP20

General

Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	1.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: >1.6 mm, creepage clearance: >3.2 mm
Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Dimensions (w × h × d)	31.0 mm × 97.0 mm × 75.8 mm (including mounting bracket)
Weight/unit	0.117 kg
PU (units)	5

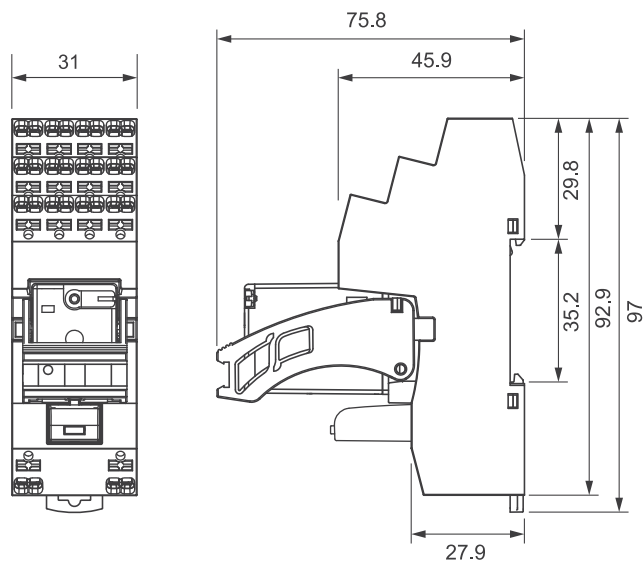
General ambient conditions

Operation temperature range	-40 °C ... +55 °C
Storage temperature range	-40 °C ... +85 °C

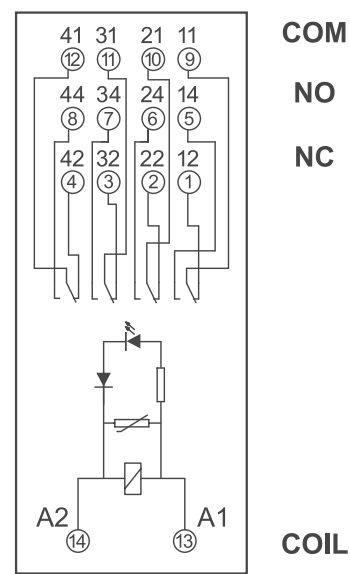
Certifications/Standards

Certifications	cURus
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Dimensions

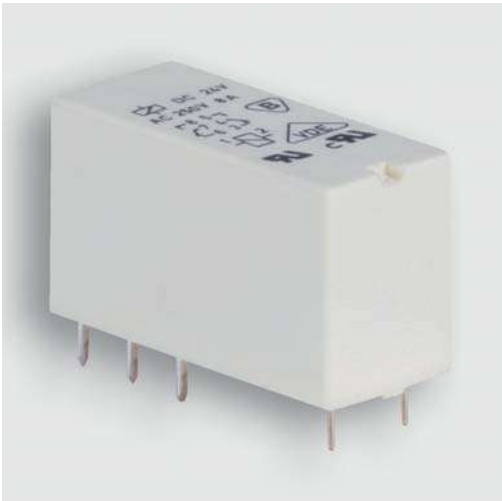


Circuit diagram



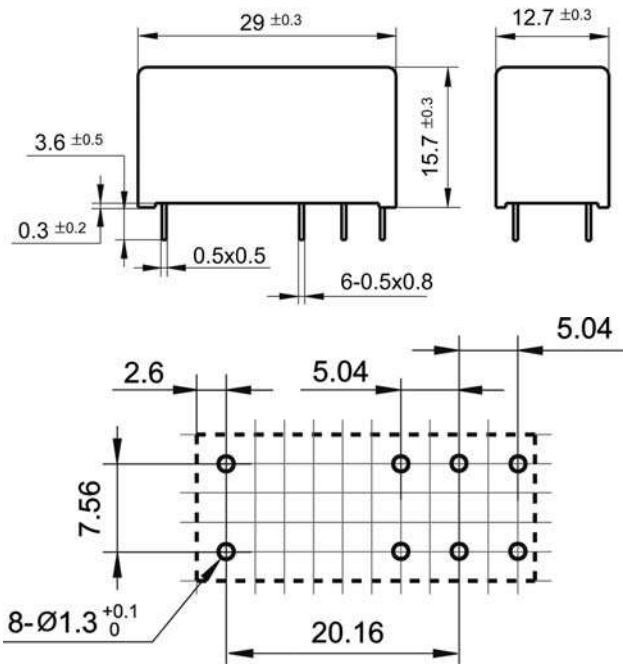
AC version

Microplug relay module



Identification	Type	RE1W-0101 DC24V
	Part-No.	770101
Description		
Mini relay, 1 changeover contact / SPDT		
AC 400 V/DC 300 V, 16 A, 4000 VA		
Contact material: AgNi		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions



Technical data sheet

Interface Technology · Microplug relay module

Mini relay, 2 changeover contact / SPDT

AC 250 V / 440 V, 8 A, 2000 VA

Contact material: AgNi



Identification

Type	LCIS2-REPT24DC-2U
Part No.	770106

Product version

Datasheet version	01
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Description

Description	Relay suitable for 770053 or 770901
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Input

Rated voltage U_N	DC 24 V
Resistor	<100 m Ω

Output

Contact type	2 changeover contacts / DPDT
Min. switching voltage	AC 12 V
Max. switching voltage	AC 440 V
Min. switching current	10 mA
Max. switching current	AC1: AC 8 A / 250 V

General

Accessories	Axilliary relay
Connection type	plug-in

Technical data sheet

Interface Technology · Microplug relay module

Degree of protection	IP40 RTII – flux-tight
Safe isolation	yes
Insulation voltage input / output	5.0 kV _{eff}
Clearance/creepage dist. (control/ load side)	>8 mm (protective separation)
Dimensions (w × h × d)	29.0 mm × 25.5 mm × 13.0 mm
Weight/unit	0.016 kg
PU (units)	50

General ambient conditions

Operation temperature range	-40 °C ... +70 °C (no condensation and/or icing)
Storage temperature range	-40 °C ... +70 °C
Over voltage category	III
Degree of pollution	3
Relative air humidity	5 – 85 %, non-condensing
Vibration resistance	10 g / 5 g (NO/NC)
Shock resistance	10g

Technical data

Rated current	8 A
Pole number	8

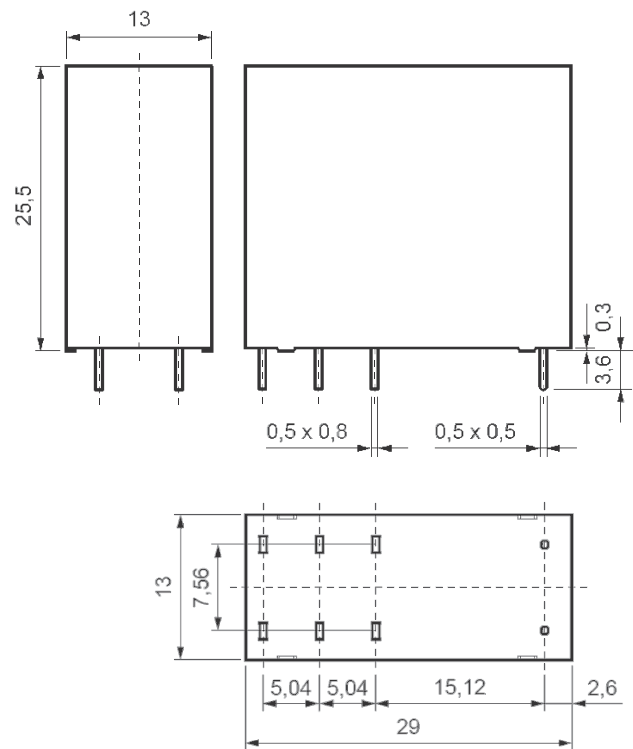
Certifications/Standards

Conformity	CE RoHS
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Notes and Comments

Note	The normally open contacts (NO) can be closed via the locking function of the blue switch. To do this, the switch must be flipped upwards by 90° to the vertical position. (When the switch is folded back again, the normally open contacts (NO) open again).
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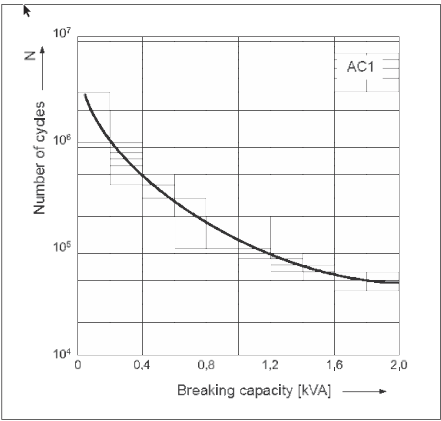
Dimensions



Load limit curve

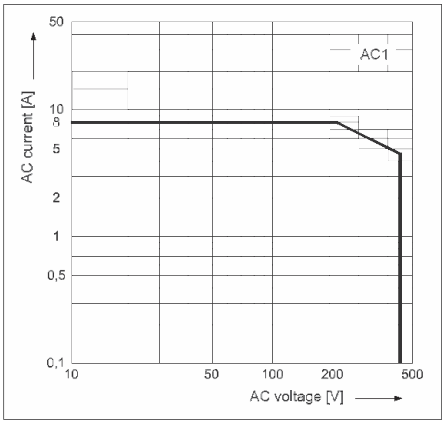
Electrical life at AC resistive load.
Switching frequency: 360 cycles/hour

Fig. 1

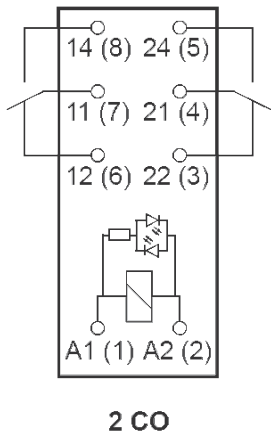


Max. AC 50 Hz resistive load
breaking capacity

Fig. 2



Circuit diagram



Terminal (pin)	A1(1); A2(2)	22(3); 21(4); 24(5); 12(6); 11(7); 14(8)
[mm]	0,5 x 0,5	0,5 x 0,8
Drilling hole: • for sockets Ø 1,5 + 0,1 mm		

Technical data sheet

Interface Technology · Microplug relay module

Mini relay, 1 changeover contact / SPDT

AC 400 V/DC 300 V, 16 A, 4000 VA

Contact material: AgNi



Identification

Type	LCIS2-REPT24DC-1U
Part No.	770107

Product version

Datasheet version	00
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Description

Description	Relay suitable for 770043 or 770901
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Input

Rated voltage U_N	DC 24 V
Resistor	<100 m Ω

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC 12 V
Max. switching voltage	AC 440 V
Min. switching current	10 mA
Max. switching current	AC1: AC 16 A / 250 V

General

Accessories	Axilliary relay
Connection type	plug-in

Technical data sheet

Interface Technology · Microplug relay module

Degree of protection	IP40 RTII – flux-tight
Safe isolation	yes
Insulation voltage input / output	5.0 kV _{eff}
Clearance/creepage dist. (control/ load side)	>8 mm (protective separation)
Dimensions (w × h × d)	29.0 mm × 25.0 mm × 13.0 mm
Weight/unit	0.016 kg
PU (units)	50

General ambient conditions

Operation temperature range	-40 °C ... +70 °C (no condensation and/or icing)
Storage temperature range	-40 °C ... +70 °C
Degree of pollution	3
Relative air humidity	5 – 85 %, non-condensing
Vibration resistance	10 g / 5 g (NO/NC)
Shock resistance	10g

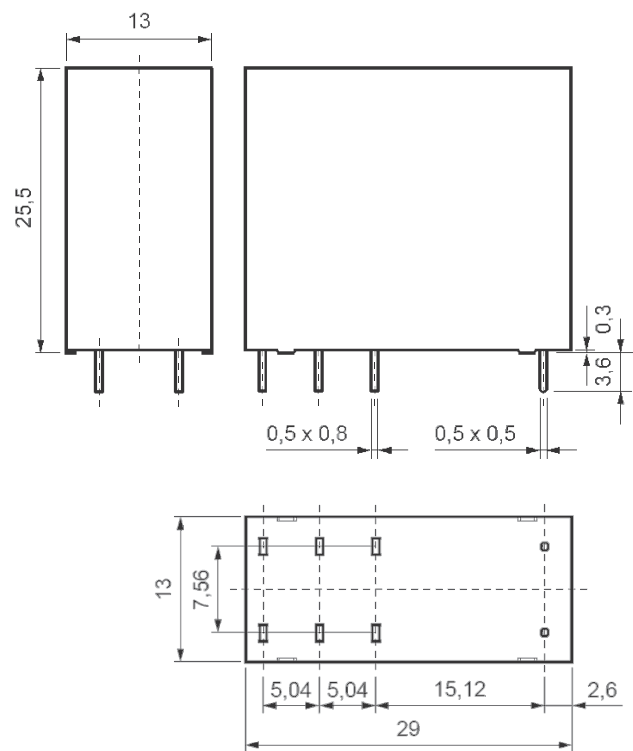
Certifications/Standards

Conformity	CE RoHS
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Notes and Comments

Note	The normally open contacts (NO) can be closed via the locking function of the blue switch. To do this, the switch must be flipped upwards by 90° to the vertical position. (When the switch is folded back again, the normally open contacts (NO) open again).
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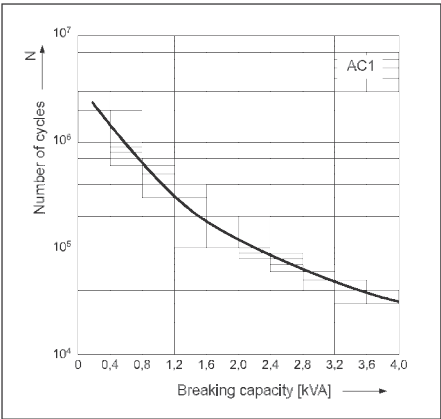
Dimensions



Load limit curve

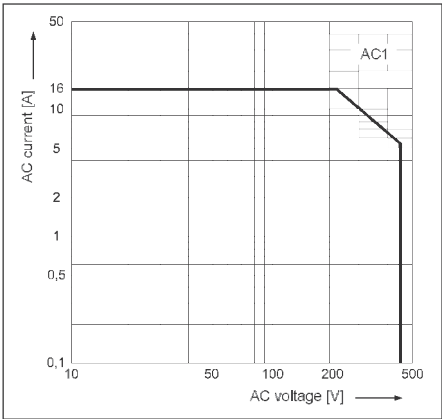
Electrical life at AC resistive load.
Switching frequency: 360 cycles/hour

Fig. 1

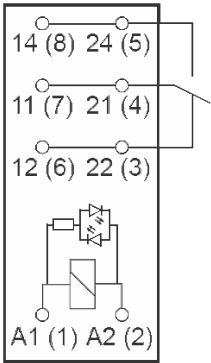


Max. AC 50 Hz resistive load
breaking capacity

Fig. 2



Circuit diagram

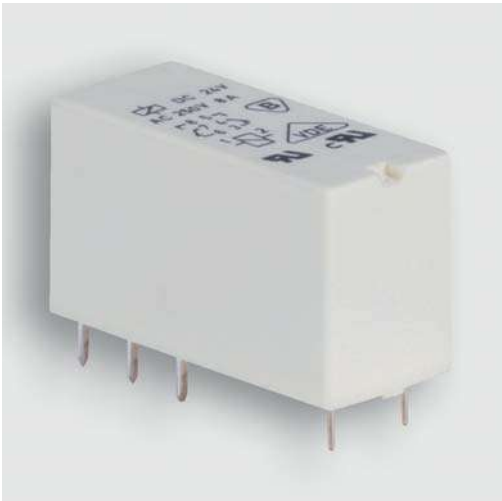


1 CO

Terminal (pin)	A1(1); A2(2)	22(3); 21(4); 24(5); 12(6); 11(7); 14(8)
[mm]	0,5 x 0,5	0,5 x 0,8
Drilling hole: • for sockets Ø 1,5 + 0,1 mm		

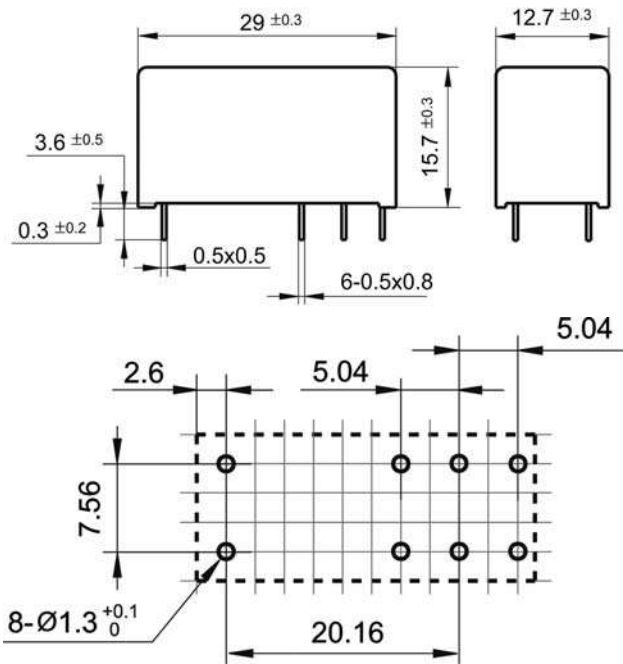
RMP85 terminals are doubled for each contact.
Both terminals are to be used while connecting to load.

Microplug relay module

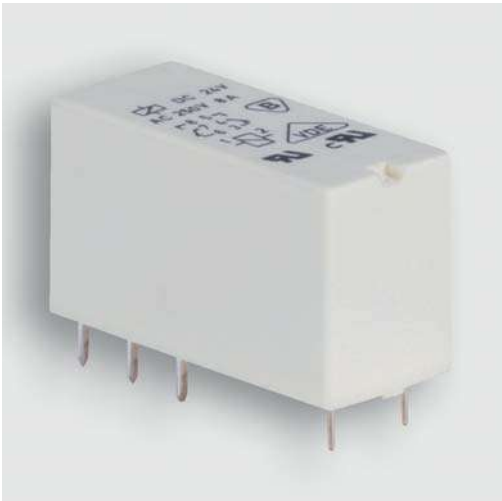


Identification	Type	RE1W-0110 AC12V
	Part-No.	770110
Description		
Mini relay, 1 changeover contact / SPDT		
AC 400 V/DC 300 V, 16 A, 4000 VA		
Contact material: AgNi		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions

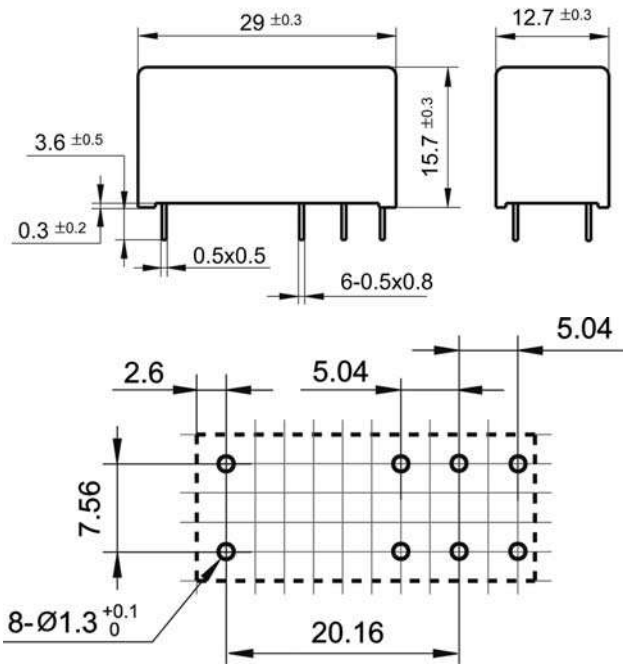


Microplug relay module

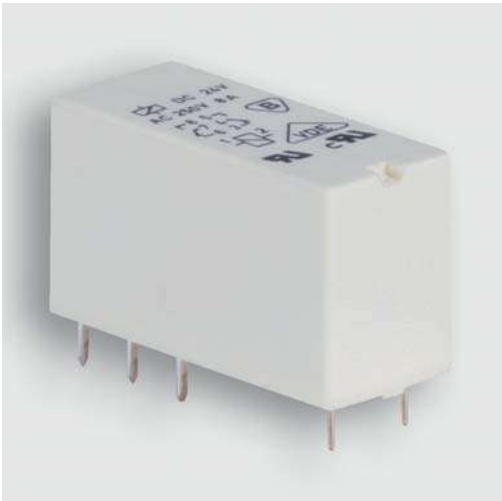


Identification	Type	RE1W-0116 AC120V
	Part-No.	770116
Description		
Mini relay, 1 changeover contact / SPDT		
AC 400 V/DC 300 V, 16 A, 4000 VA		
Contact material: AgNi		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions

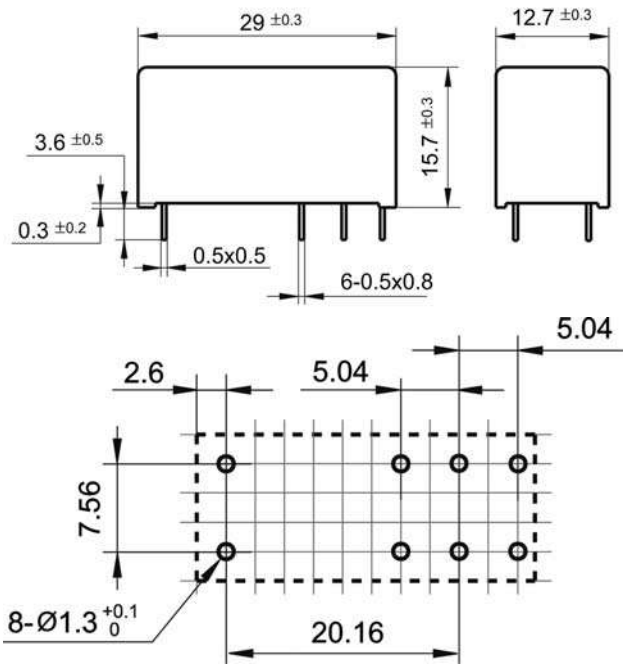


Microplug relay module



Identification	Type	RE1W-0117 AC230V
	Part-No.	770117
Description		
Mini relay, 1 changeover contact / SPDT		
AC 400 V/DC 300 V, 16 A, 4000 VA		
Contact material: AgNi		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions





Identification	Type	REP-0140 1W DC12V
	Part-No.	770140
Description		
	DC-Relay-Interface, 1 CO contact / SPDT, pluggable AC 400 V/DC 300 V, 16 A, 4000 VA	
Input		
Rated voltage U_N	DC 12 V	
Input voltage range	8.4 V – 18 V	
Rated current I_N	0.034 A	
Protection device Input	Free-wheeling diode	
Status display input	LED green	
Power consumption	0.4 W	
Interrupting voltage	<1.2 V	
Output		
Contact type	1 changeover contacts / SPDT	
Switching element	Relays	
Min. switching voltage	AC/DC 5 V	
Max. switching voltage	AC 400 V / DC 300 V	
Min. switching current	AgNi: AC/DC 5 mA	
Max. switching current	AC/DC 16 A	

Technical data sheet · Interface Technology

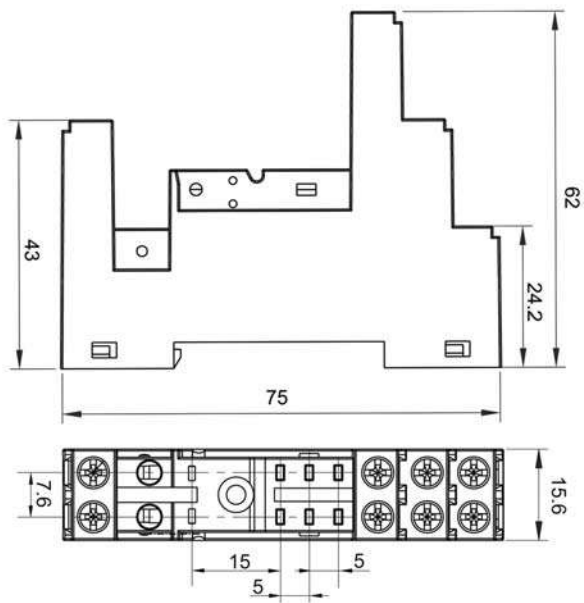
Switching capacity DC 13	2 A @ 24 V, 300 mA @ 115 V, 150 mA @ 230 V
Switching capacity AC 15	3.3 A
Max. switching capacity	4000 VA
Contact material	AgNi
Mechanical service life	>10 ⁷ operations
Switch-on delay	15 ms
Shutdown delay	8 ms
Protection device	none
Rated insulation voltage (EN 50178)	AC 400 V (category C 250)

General

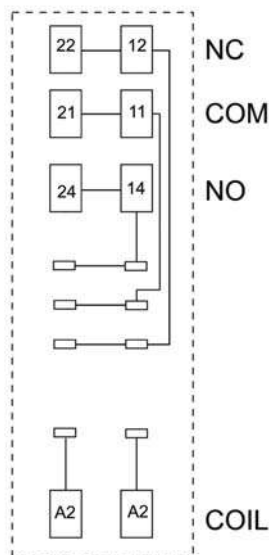
Housing material	PA 6.6 + GF V0 (UL)
Color of the housing	black
Protection class	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	15.6 × 75.0 × 67.0 mm (including mounting bracket)
Weight	0.062 kg/piece
Connection type	Screw terminal 0.20 mm ² – 4.0 mm ²
Standards	EN 60947-4-1
Certifications	cULus
PU	10 piece

Technical data sheet · Interface Technology

Dimensions



PIN assignment



Accessories

Jumper comb 8-pin, axilliary relay, black:Part-No. 770908 | REP-0908 | PU: 10 units
Tag holder auxiliary relay, transparent:Part-No. 770902 | REM 0902 | PU: 10 units
Mounting bracket auxiliary relay:Part-No. 770901 | REE-0901 | PU: 10 units



Identification	Type	REP-0141 1W DC24V
	Part-No.	770141
Description		
	DC-Relay-Interface, 1 CO contact / SPDT, pluggable AC 400 V/DC 300 V, 16 A, 4000 VA	
Input		
Rated voltage U_N	DC 24 V	
Input voltage range	16.8 – 36 V	
Rated current I_N	0.017 A	
Interrupting voltage	<2.4 V	
Protection device	Free-wheeling diode	
Status display input	LED green	
Power consumption	0.4 W	
Output		
Contact type	1 changeover contacts / SPDT	
Switching element	Relays	
Min. switching voltage	AC/DC 5 V	
Max. switching voltage	AC 400 V / DC 300 V	
Min. switching current	AgNi: AC/DC 5 mA	
Max. switching current	AC/DC 16 A	

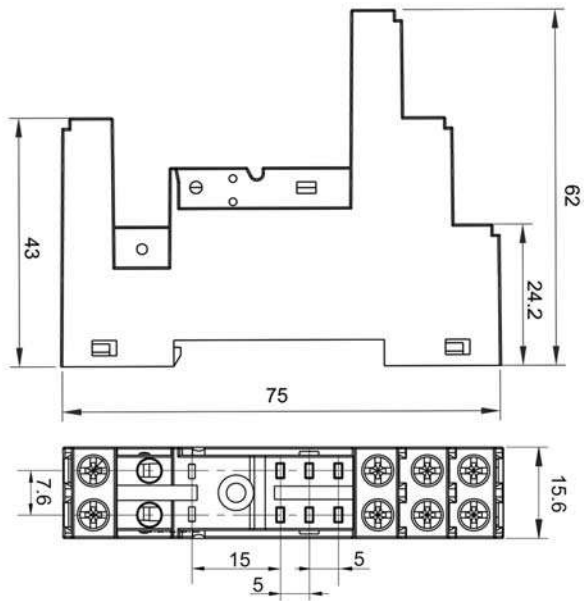
Technical data sheet • Interface Technology

Switching capacity DC 13	2 A @ 24 V, 300 mA @ 115 V, 150 mA @ 230 V
Switching capacity AC 15	3.3 A
Max. switching capacity	4000 VA
Contact material	AgNi
Mechanical service life	>10 ⁷ operations
Switch-on delay	15 ms
Shutdown delay	8 ms
Clearance/creepage dist. (control/load side)	Clearance distance: > 10 mm; creepage distance: > 10 mm
Protection device	none
Rated insulation voltage (EN 50178)	AC 400 V (category C 250)

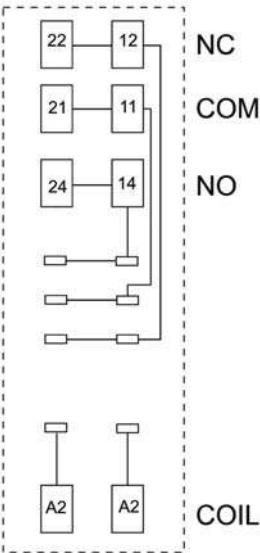
General

Housing material	PA 6.6 + GF V0 (UL)
Color of the housing	black
Protection class	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	15.6 × 75.0 × 67.0 mm (including mounting bracket)
Weight	0.062 kg/piece
Connection device	Screw terminal 0.20 mm ² – 4.0 mm ²
Standards	EN 60947-4-1
Approvals	cULus

Dimensions



PIN assignment



Accessories

Technical data sheet • Interface Technology

Accessories	Color	Part-No.	Type	PU
Jumper comb 8-pin, Axilliary relay	black	770908	REP-0908	10
Tag holder auxiliary relay		770902	REM-0902	10
Mounting bracket auxiliary relay		770901	REE-0901	10

Technical data sheet · Interface Technology

Microplug Relay Module



Identification	Type	REP-0241 2W HTV DC24V
	Part-No.	770241
Description		
	DC-Relay-Interface, 2 CO contact / DPDT, pluggable AC 400 V / DC 300 V, 8 A, 2000 VA	
Input		
Rated voltage U_N	DC 24 V	
Input voltage range	16.8 V – 31.2 V	
Rated current I_N	0.016 A	
Protection device Input	Free-wheeling diode	
Status display input	LED green	
Power consumption	0.4 W	
Interrupting voltage	<2.4 V	
Output		
Contact type	2 changeover contacts / DPDT	
Min. switching voltage	AC/DC 5 V	
Max. switching voltage	AC 400 V / DC 300 V	
Min. switching current	AgNi + 5 μ m HV: AC/DC 2 mA	
Max. switching current	AC/DC 8 A	
Switching capacity DC 13	2 A @ 24 V, 300 mA @ 115 V, 150 mA @ 230 V	

Technical data sheet · Interface Technology

Switching capacity AC 15	3.1 A @ 24 V, 2 A @ 230 V
Max. switching capacity	2000 VA
Contact material	AgNi + 5 µm HV
Mechanical service life	>10 ⁷ operations
Switch-on delay	15 ms
Shutdown delay	5 ms
Protection device	none
Rated insulation voltage (EN 50178)	AC 400 V (category C 250)

General

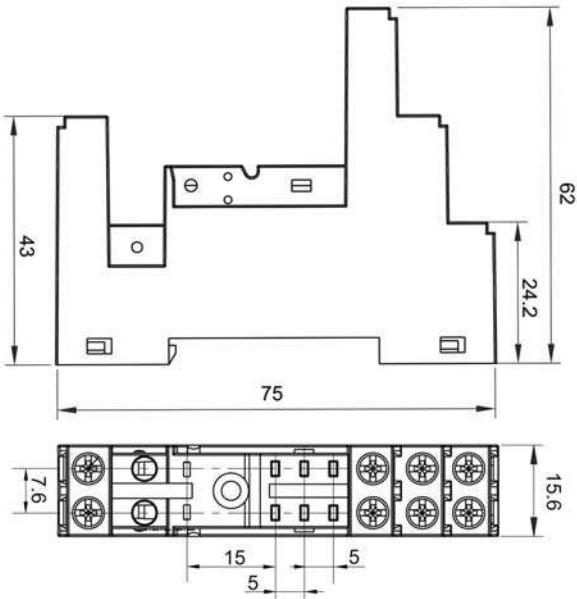
Housing material	PA 6.6 + GF V0 (UL)
Color of the housing	black
Protection class	IP20
Mounting	DIN rail mountable TS35
Insulation voltage input / output	5.0 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	15.6 × 75.0 × 67.0 mm (including mounting bracket)
Weight	0.062 kg/piece
Connection type	Screw terminal 0.20 mm ² – 4.0 mm ²
Standards	EN 60947-4-1
Certifications	cULus
PU	10 piece

Comments

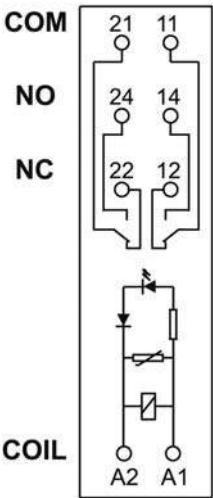
In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Technical data sheet · Interface Technology

Dimensions



PIN assignment



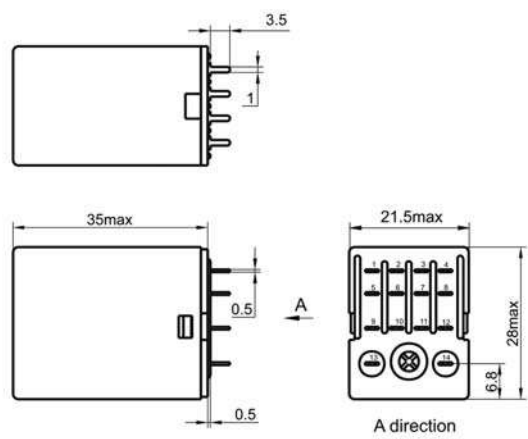
AC version

Microplug relay module



Identification	Type	RE4W-0400 DC12V
	Part-No.	770400
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



Comments

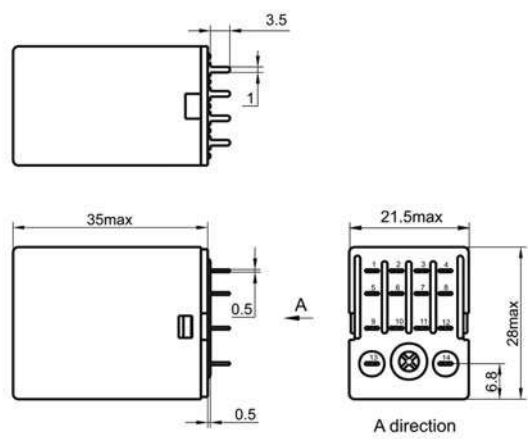
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4W-0401 DC24V
	Part-No.	770401
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



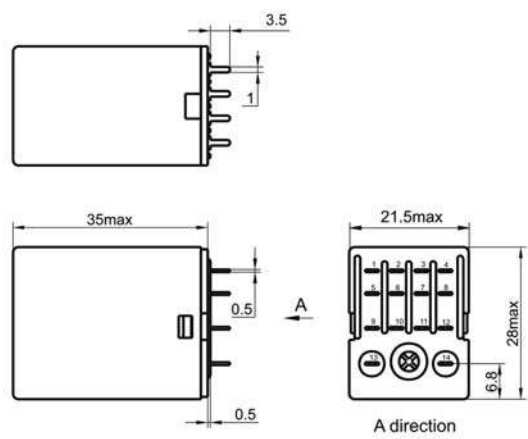
Comments Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4W-0406 DC110V
	Part-No.	770406
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



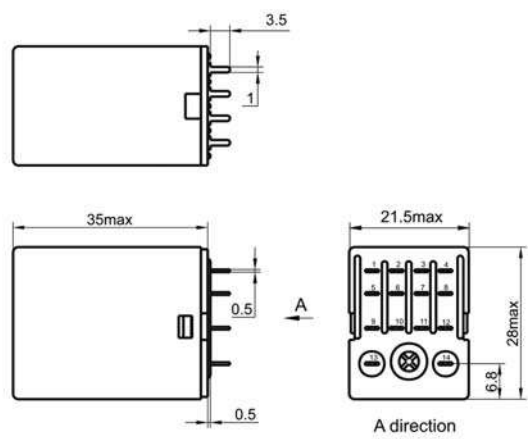
Comments Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4W-0410 AC12V
	Part-No.	770410
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



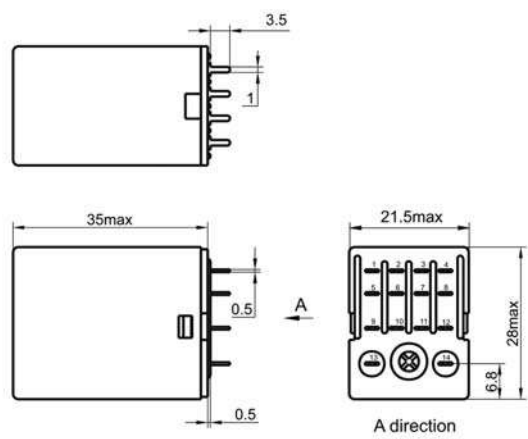
Comments Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4W-0411 AC24V
	Part-No.	770411
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



Comments

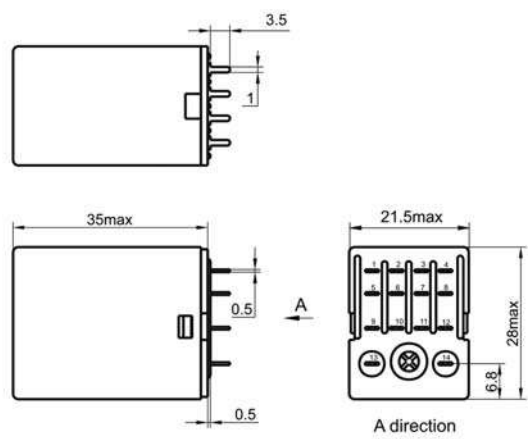
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4W-0416 AC120V
	Part-No.	770416
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



Comments

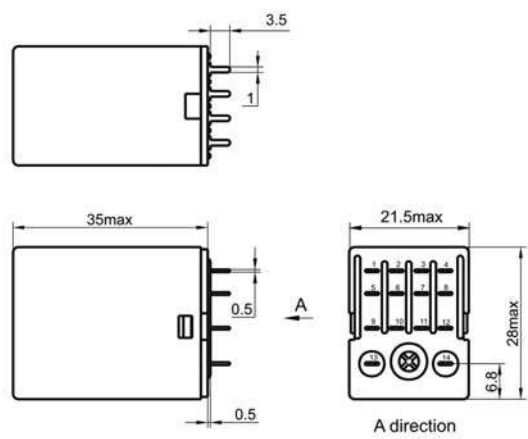
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4W-0417 AC230V
	Part-No.	770417
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



Comments

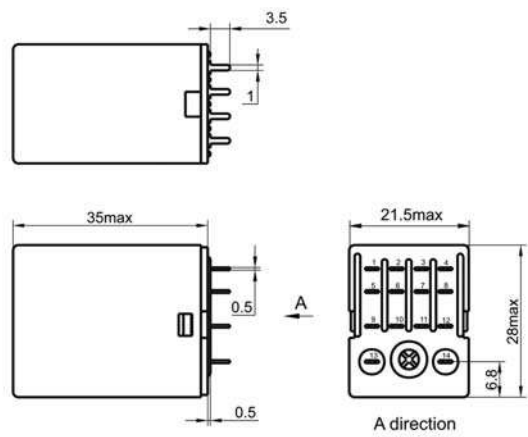
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4WHV-0420 DC12V
	Part-No.	770420
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



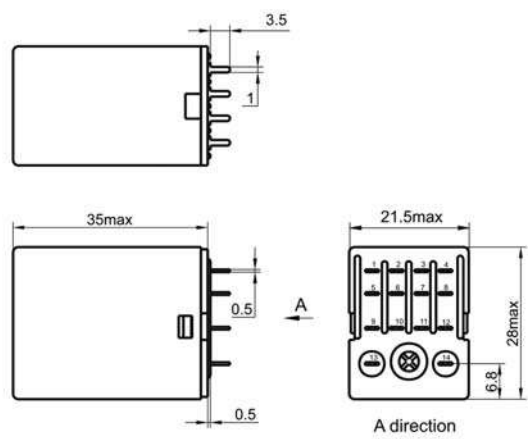
Comments

Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.



Identification	Type	RE4WHV-0421 DC24V
	Part-No.	770421
Description	Industrial relay, 4 changeover contacts / 4PDT	
	AC/DC 250 V, 5 A, 1250 VA	
	Contact material: AgNi, AgNi+5 µm gold-plating	
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



Comments

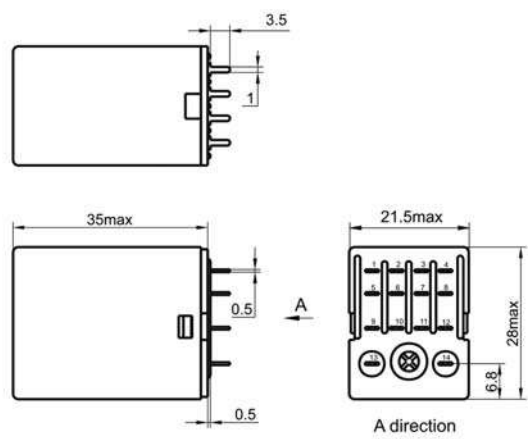
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE4WHV-0426 DC110V
	Part-No.	770426
Description		
Industrial relay, 4 changeover contacts / 4PDT		
AC/DC 250 V, 5 A, 1250 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTI – dust proof	
Operation temperature range	-40 °C ... +70 °C	
Weight	0.0370 kg/piece	
Dimensions (w × h × d)	28.0 × 21.2 × 35.0 mm	
PU	10	
Approvals	cULus	
	TÜV	
	CQC	

Dimensions



Comments

Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.



Identification	Type	REI4-0441 4W DC24V
	Part-No.	770441
Description		
	DC-Relay-Interface, 4 CO contact / 4PDT, pluggable AC/DC 250 V, 5 A, 1250 VA	
Input		
Rated voltage U_N	DC 24 V	
Input voltage range	19.2 – 26.4 V	
Rated current I_N	0.037 A	
Interrupting voltage	<2.4 V	
Protection device	Free-wheeling diode	
Status display input	LED green	
Power consumption	0.9 W	
Output		
Contact type	4 changeover contacts / 4PDT	
Switching element	Relays	
Min. switching voltage	AC/DC 5 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AgNi: AC/DC 5 mA	
Max. switching current	AC/DC 5 A	

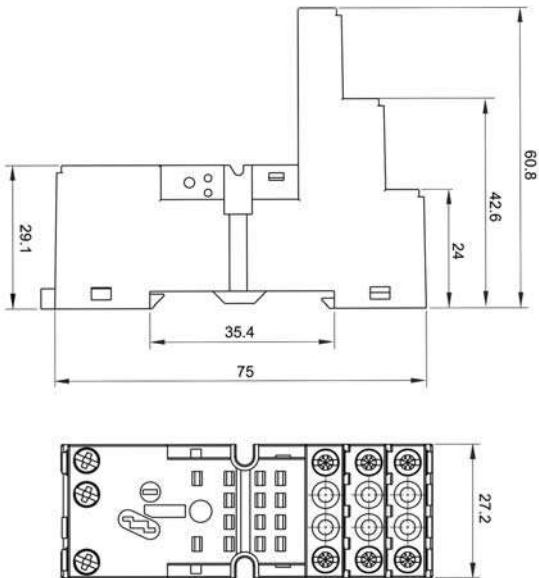
Technical data sheet • Interface Technology

Switching capacity DC 13	1,8 A @ 24 V, 300 mA @ 115 V, 150 mA @ 230 V
Switching capacity AC 15	2.5 A @ 24 V, 1.5 A @ 230 V
Max. switching capacity	1250 VA
Contact material	AgNi
Mechanical service life	> 2 x 10 ⁷ operations
Switch-on delay	25 ms
Shutdown delay	25 ms
Clearance/creepage dist. (control/load side)	Air clearance: >2 mm, creepage clearance: >3 mm
Protection device	none
Rated insulation voltage (EN 50178)	AC 250 V (category C 250)

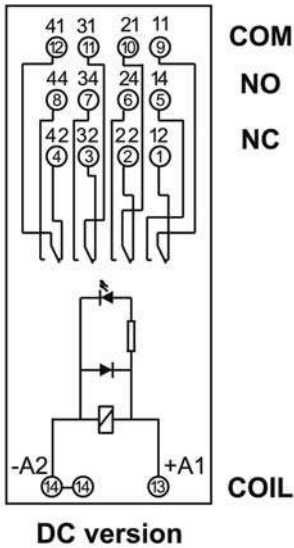
General

Housing material	PA 6.6 + GF V0 (UL)
Color of the housing	black
Protection class	IP20
Mounting	DIN rail mountable TS35
Insulation voltage input / output	1.5 kV _{eff}
Safe isolation	yes
Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	27.2 × 75.0 × 82.0 mm (including mounting bracket)
Weight	0.097 kg/piece
Connection device	Screw terminal 0.20 mm ² – 4.0 mm ²
Standards	EN 60947-4-1
Approvals	cULus

Dimensions



PIN assignment





Identification	Type	REI2-0541 2W DC24V
	Part-No.	770541
Description		
	DC-Relay-Interface, 2 CO contact / DPDT, pluggable AC/DC 250 V, 7 A, 1750 VA	
Input		
Rated voltage U_N	DC 24 V	
Input voltage range	19.2 – 26.4 V	
Rated current I_N	0.037 A	
Interrupting voltage	<2.4 V	
Protection device	Free-wheeling diode	
Status display input	LED green	
Power consumption	0.9 W	
Output		
Contact type	2 changeover contacts / DPDT	
Switching element	Relays	
Min. switching voltage	AC/DC 5 V	
Max. switching voltage	AC/DC 250 V	
Min. switching current	AgNi: AC/DC 5 mA	
Max. switching current	AC/DC 7 A	

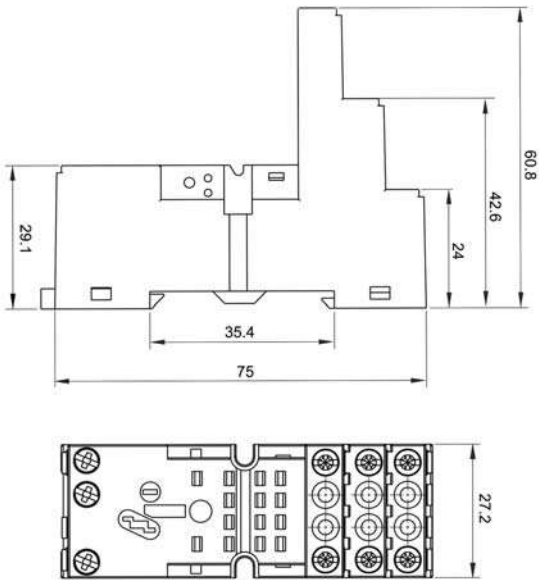
Technical data sheet • Interface Technology

Switching capacity DC 13	1,8 A @ 24 V, 300 mA @ 115 V, 150 mA @ 230 V
Switching capacity AC 15	2.5 A @ 24 V, 1.5 A @ 230 V
Max. switching capacity	3000 VA
Contact material	AgNi
Mechanical service life	> 2 x 10 ⁷ operations
Switch-on delay	25 ms
Shutdown delay	25 ms
Clearance/creepage dist. (control/load side)	Air clearance: >2 mm, creepage clearance: >3 mm
Protection device	none
Rated insulation voltage (EN 50178)	AC 250 V (category C 250)

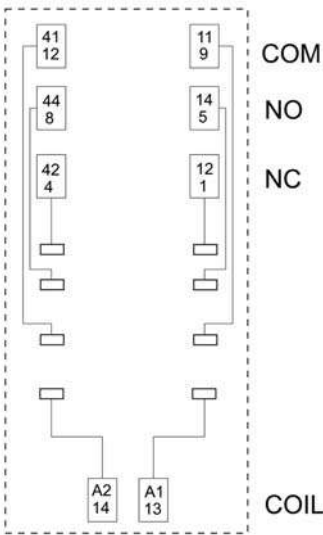
General

Housing material	PA 6.6 + GF V0 (UL)
Color of the housing	black
Protection class	IP20
Mounting	DIN rail mountable TS35
Insulation voltage input / output	1.5 kV _{eff}
Safe isolation	yes
Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	27.2 × 75.0 × 82.0 mm (including mounting bracket)
Weight	0.097 kg/piece
Connection device	Screw terminal 0.20 mm ² – 4.0 mm ²
Standards	EN 60947-4-1
Approvals	cULus

Dimensions



PIN assignment

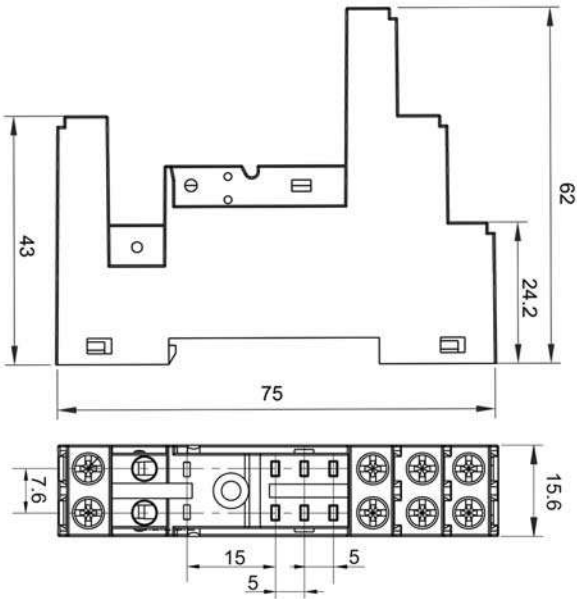


Microplug relay module

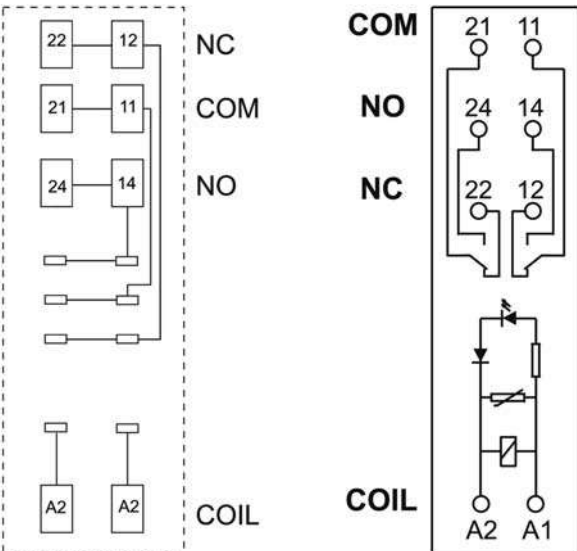


Identification	Type	RES-0900
	Part-No.	770900
Description		
	Relay socket for mini and industrial relay AC/DC 300 V Screw terminal	
General		
Protection class	IP20	
Operation temperature range	-40 °C ... +85 °C	
Dimensions (w × h × d)	16.5 × 75.0 × 66.5 mm (incl. release lever)	
PU	5	

Dimensions



PIN assignment



AC version

Technical data sheet

Interface Technology · LCIS Relay Module

Relay socket for miniature relay, pluggable relay

AC / DC 300 V

Push-In



Identification

Type	LCIS2-RESP-PI
Part No.	770901

Product version

Datasheet version	01
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Input

Rated voltage U_N	AC/DC 230 V
Protection device Input	None

Output

Contact type	1 changeover contact/2 changeover contacts, depending on relay
Max. switching voltage	AC/DC 300 V
Max. switching current	AC/DC 16 A
Protection device	None

General

Housing material	PA 6.6
Color of the housing	light grey
Mounting	DIN rail mountable TS35 (EN 60715)
Degree of protection	IP20
Safe isolation	yes
Insulation voltage input / output	5.0 kV _{eff}

Technical data sheet

Interface Technology · LCIS Relay Module

Clearance/creepage dist. (control/load side)	Air clearance: > 10 mm, creepage clearance: > 10 mm
Dimensions (w × h × d)	15.9 mm × 97.0 mm × 45.9 mm
Weight/unit	0.03
PU (units)	20

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Temperature range	-40 °C ... +85 °C

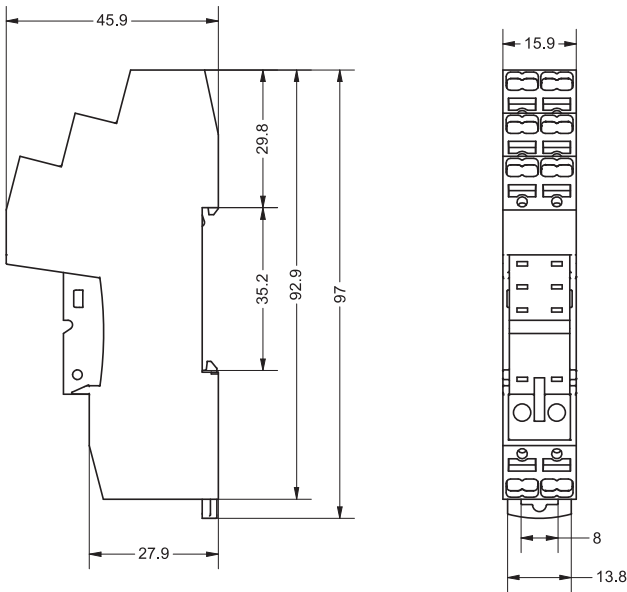
Certifications/Standards

Certifications	cURus
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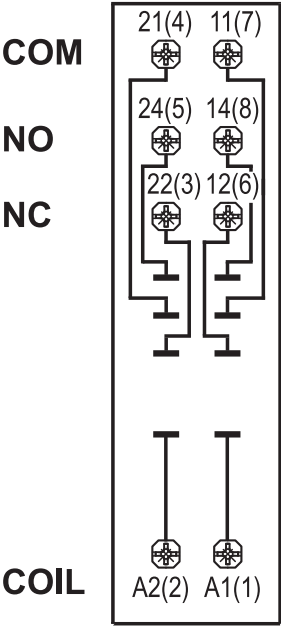
Equipment/Spare parts

Accessories	Mounting bracket: Part.-No. 770932 Suppressor module: Part-No. 770910 (DC 12/24V) Suppressor module: Part-No. 770915 (AC 115/ 230V)
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Dimensions



PIN assignment

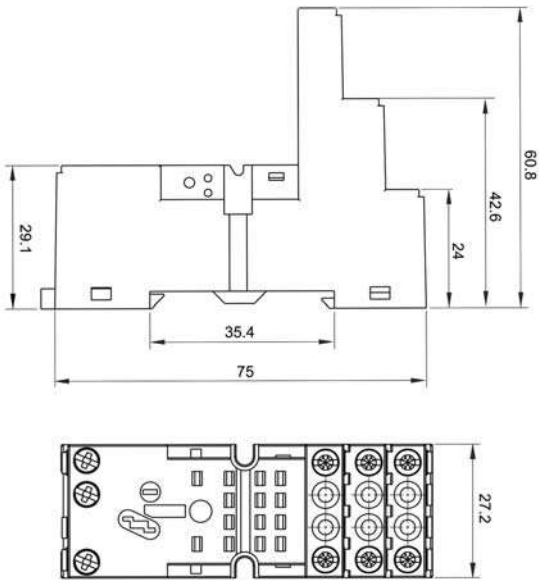


Microplug relay module

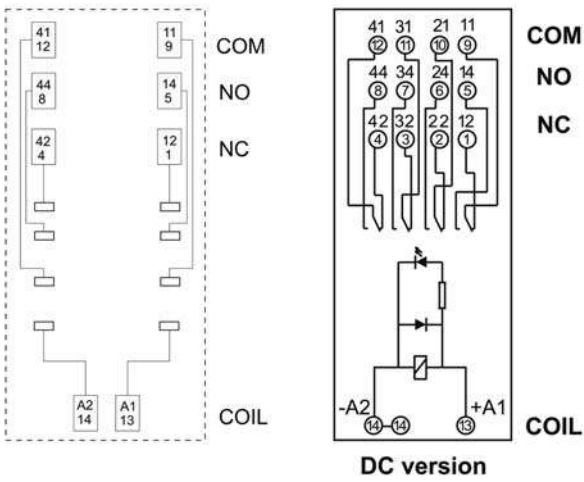


Identification	Type	RES2W-0903
	Part-No.	770903
Description		
	Relay socket for mini and industrial relay AC/DC 300 V Screw terminal	
General		
Protection class	IP20	
Operation temperature range	-40 °C ... +85 °C	
Dimensions (w × h × d)	27.2 × 75.0 × 82.0 mm (incl. release lever)	
PU	5	

Dimensions



PIN assignment



Technical data sheet

Interface Technology · LCIS Relay Module

Relay socket for industrial relay, pluggable relay
AC / DC 250 V
Push-In



Identification

Type	LCIS3-RESI-PI
Part No.	770904

Product version

Datasheet version	00
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Input

Rated voltage U _N	max. AC/DC 230 V
Protection device Input	None

Output

Contact type	4 changeover contacts / 4PDT
Max. switching voltage	AC/DC 250 V
Max. switching current	AC/DC 6 A
Protection device	None

General

Connection type	Push-In 2 × (0.20 mm ² – 1.5 mm ²)
Housing material	PA 6.6
Color of the housing	light grey
Mounting	DIN rail mountable TS35 (EN 60715)
Degree of protection	IP20
Safe isolation	yes

Technical data sheet

Interface Technology · LCIS Relay Module

Insulation voltage input / output	1.5 kV _{eff}
Clearance/creepage dist. (control/load side)	Air clearance: >2 mm, creepage clearance: >3 mm
Dimensions (w × h × d)	31.0 mm × 97.0 mm × 45.9 mm
Weight/unit	0.05 kg
PU (units)	10

General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

Certifications/Standards

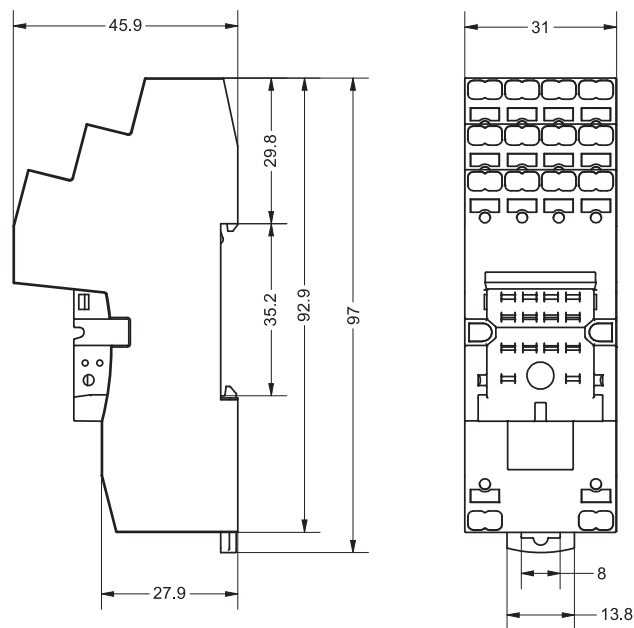
Certifications	cURus
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Equipment/Spare parts

Accessories

Mounting bracket: Part.-No. 770933
Suppressor module:Part-No. 770910 (DC 12/24V)
Suppressor module:Part-No. 770915 (AC 115/ 230V)

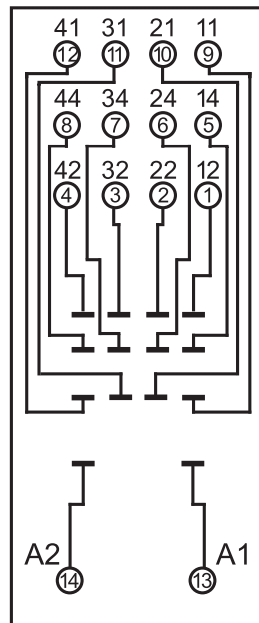
Dimensions



Technical data sheet

Interface Technology · LCIS Relay Module

PIN assignment

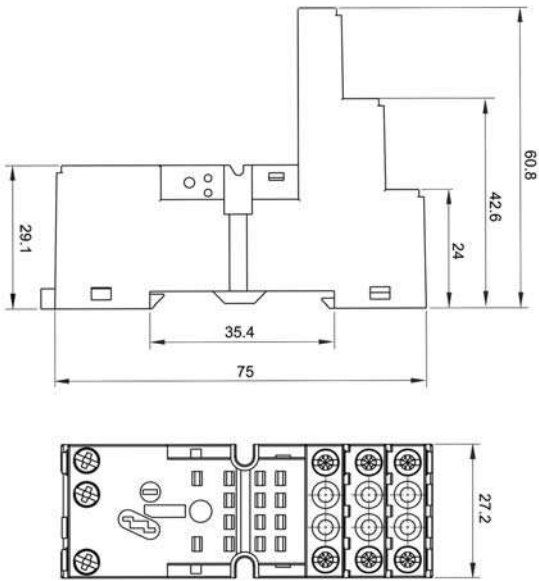


Microplug relay module

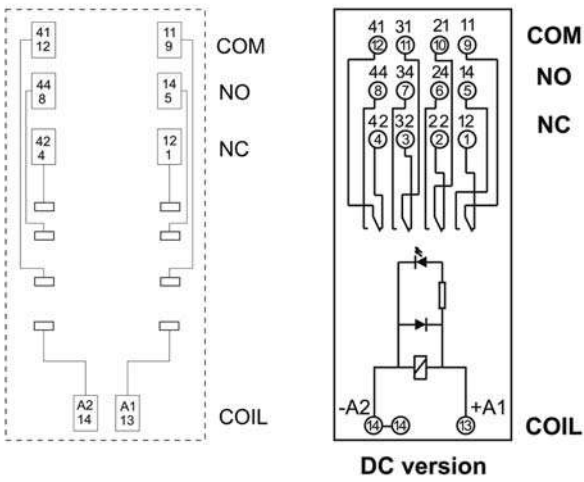


Identification	Type	RES4W-0905
	Part-No.	770905
Description		
	Relay socket for mini and industrial relay AC/DC 300 V Screw terminal	
General		
Protection class	IP20	
Operation temperature range	-40 °C ... +85 °C	
Dimensions (w × h × d)	27.2 × 75.0 × 82.0 mm (incl. release lever)	
PU	5	

Dimensions



PIN assignment



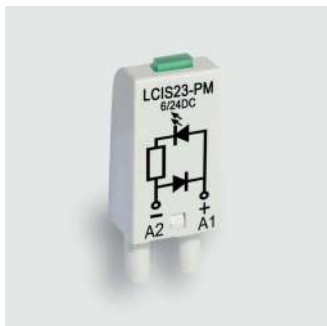
Technical data sheet

Interface Technology · LCIS relay module

Pluggable LCIS23 protection modules

DC 6 – 24 V

Integrated protective circuit



Identification

Type	LCIS23-PM6/24DC
Part No.	770910

Product version

Datasheet version	01
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Input

Rated voltage U_N	DC 12/24 V
Rated current I_N	3 mA @ 12 V 6 mA @ 24 V
Protection device Input	Free-wheeling diode

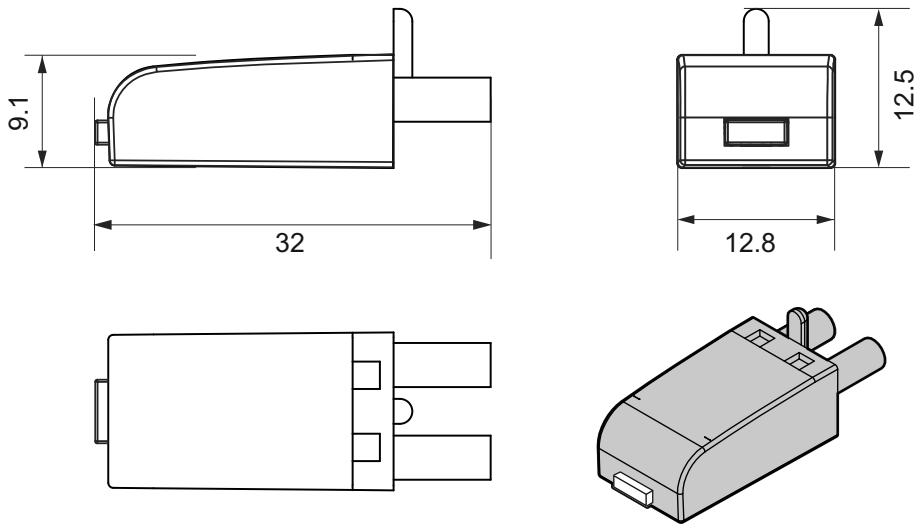
General

Accessories	Protection module DC 6...24 V
Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Dimensions (w × h × d)	12.8 mm × 12.5 mm × 32.0 mm
Weight/unit	0.01 kg
PU (units)	20

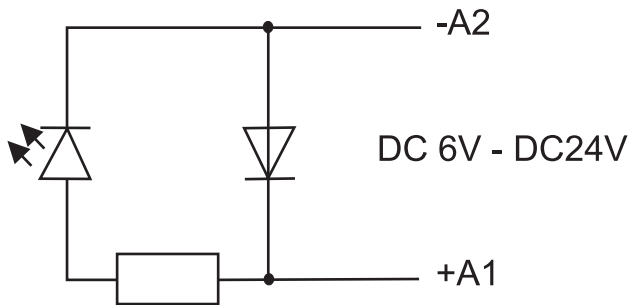
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

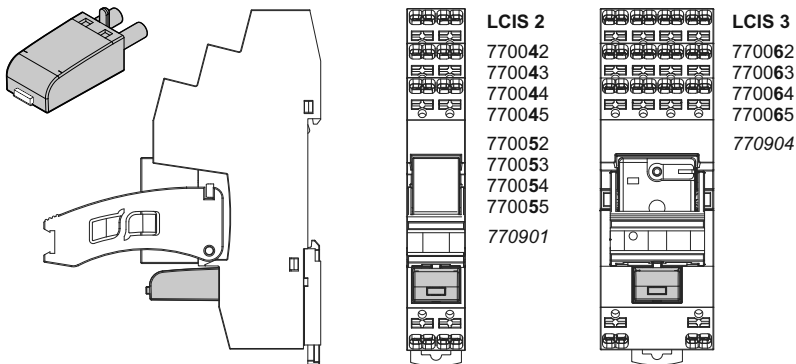
Dimensions



PIN assignment



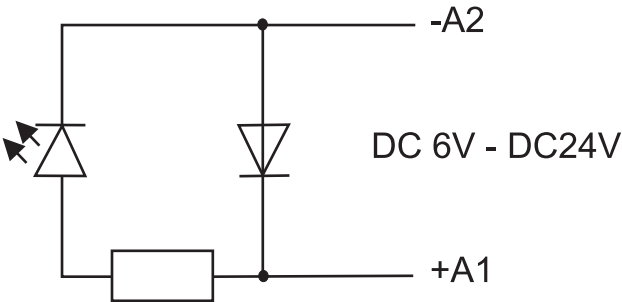
Use



Microplug relay module



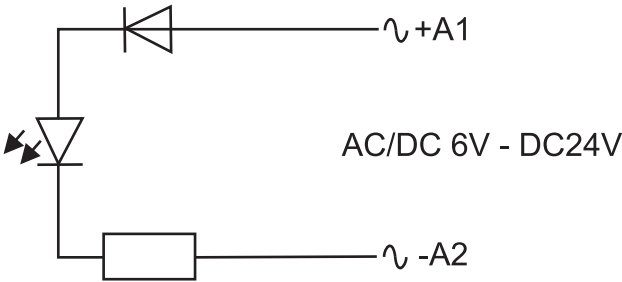
Identification	Type	PM41G-0911
	Part-No.	770911
Description		
Pluggable microplug protection modules AC/DC 6 – 230 V with LED indication		
General		
PU	10	
PIN assignment		



Microplug relay module



Identification	Type	PM91G-0913
	Part-No.	770913
Description		
Pluggable microplug protection modules AC/DC 6 – 230 V with LED indication		
General		
PU	10	
PIN assignment		



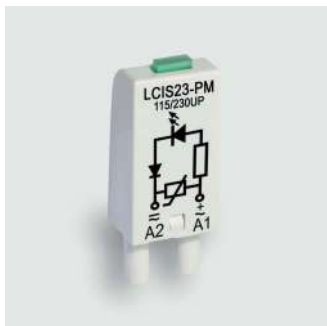
Technical data sheet

Interface Technology · LCIS relay module

Pluggable LCIS23 protection modules

AC/DC 115 – 230 V

Integrated protective circuit



Identification

Type	LCIS23-PM115/230UP
Part No.	770915

Product version

Datasheet version	01
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Input

Rated voltage U_N	AC/DC 115/230 V
Rated current I_N	1.5 mA @ 115 V 3 mA @ 230 V
Protection device Input	Varistor

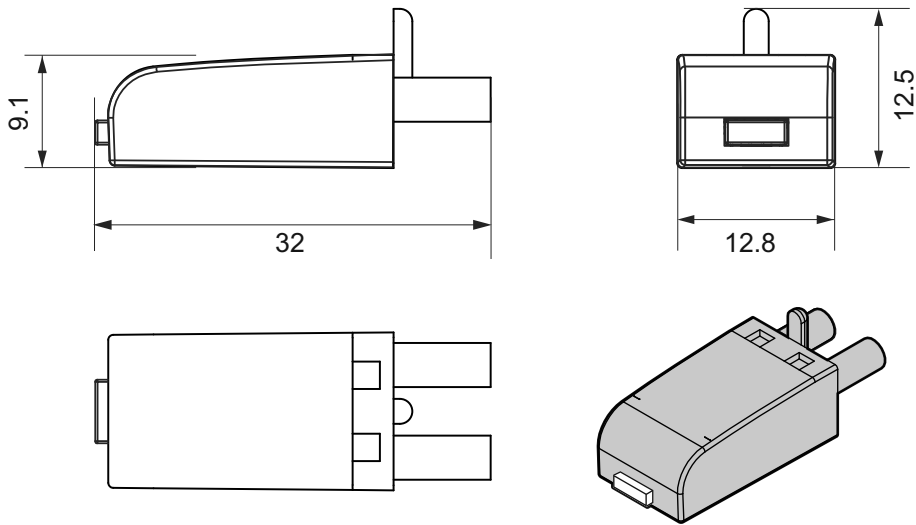
General

Accessories	Protection module AC/DC 115/230 V
Housing material	PA 6.6
Color of the housing	Light grey
Degree of protection	IP20
Dimensions (w × h × d)	12.8 mm × 12.5 mm × 32.0 mm
Weight/unit	0.01 kg
PU (units)	20

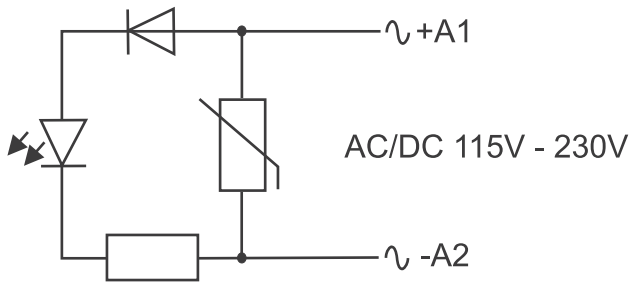
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

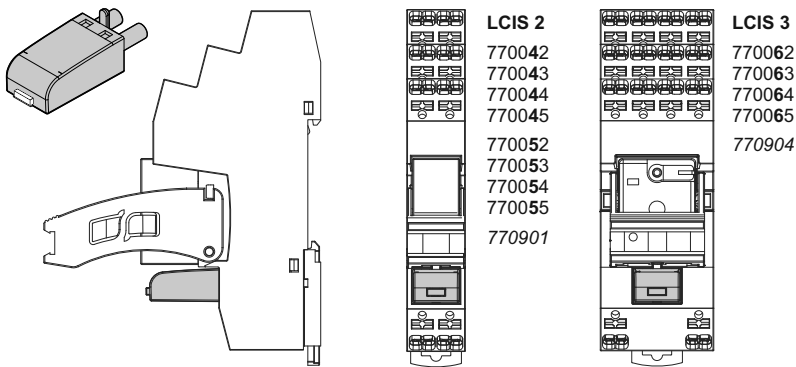
Dimensions



PIN assignment



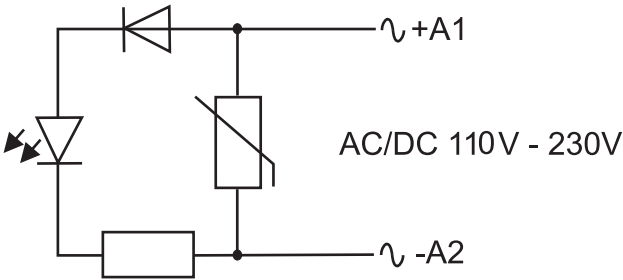
Use



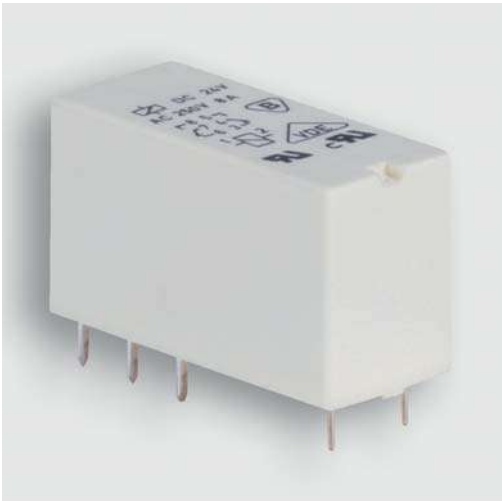
Microplug relay module



Identification	Type	PM93G-0917
	Part-No.	770917
Description		
Pluggable microplug protection modules AC/DC 6 – 230 V with LED indication		
General		
PU	10	
PIN assignment		

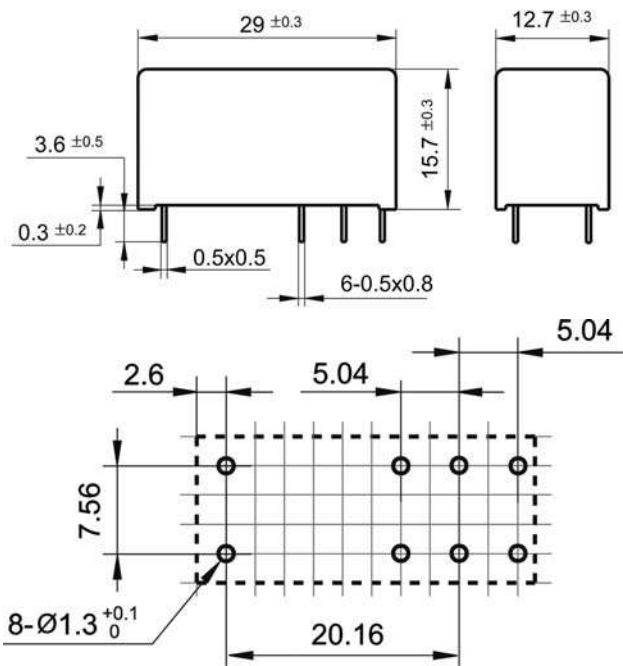


Microplug relay module



Identification	Type	RE2W-0918 DC12V
	Part-No.	770918
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

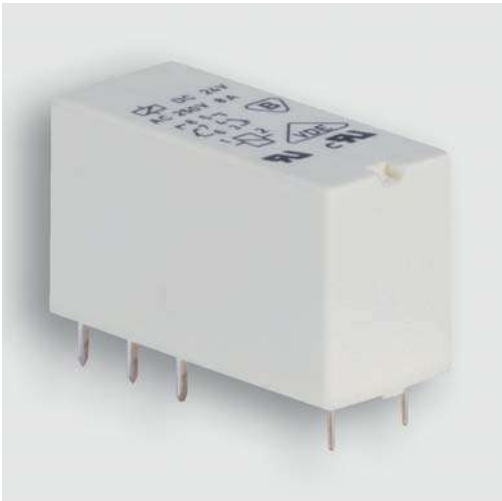
Dimensions



Comments

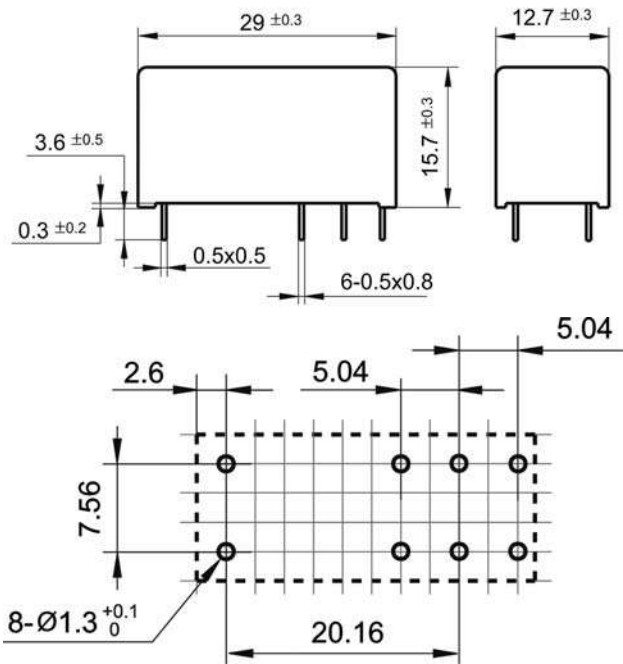
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE2WHV-0919 DC12V
	Part-No.	770919
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

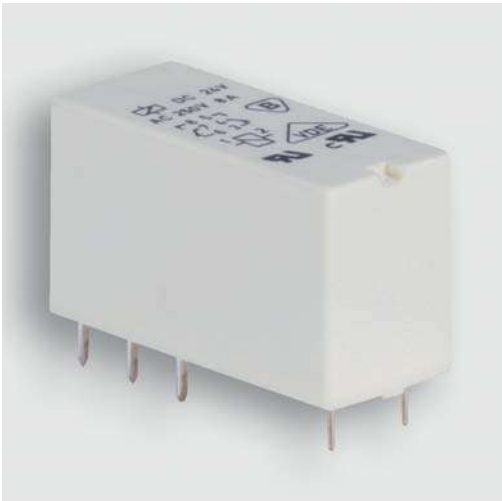
Dimensions



Comments

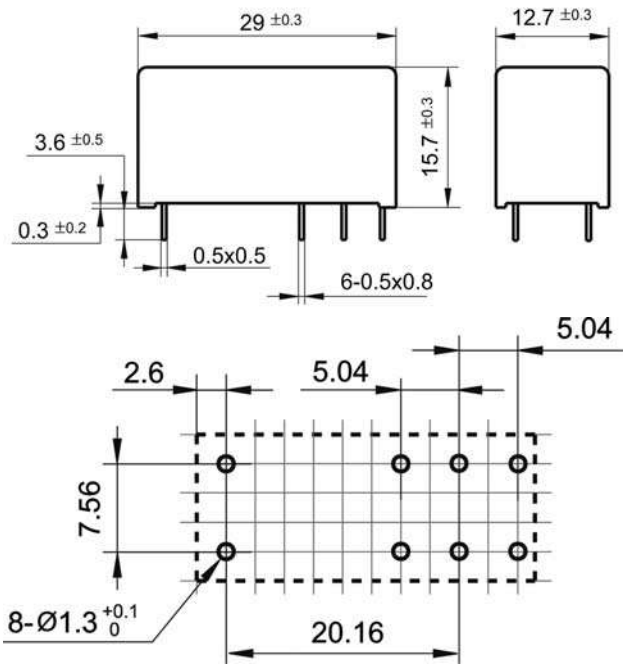
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



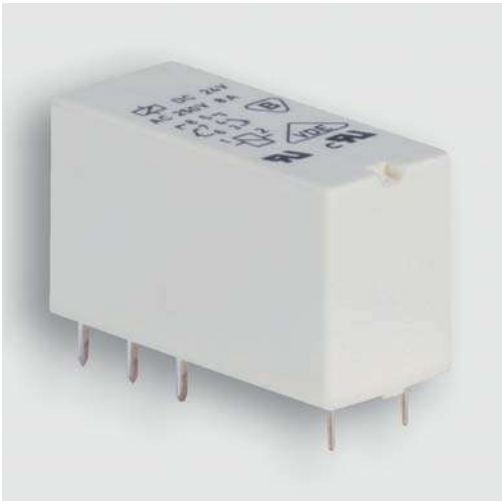
Identification	Type	RE2W-0920 DC24V
	Part-No.	770920
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions



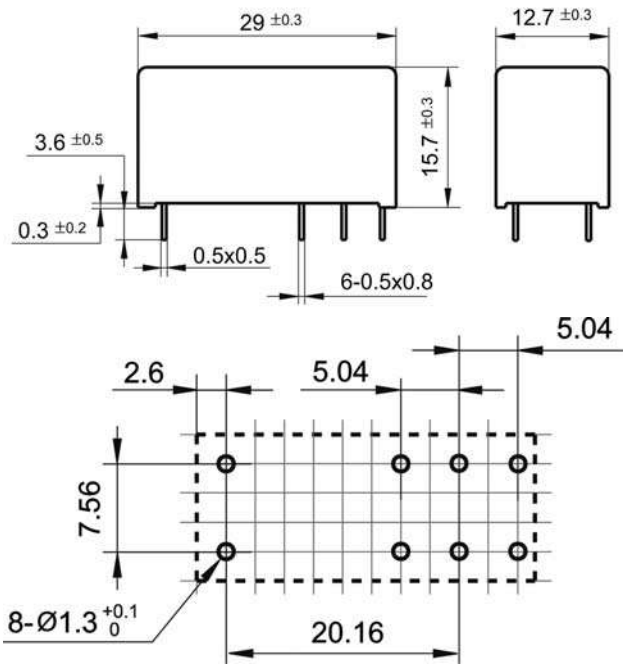
Comments

Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.



Identification	Type	RE2WHV-0921 DC24V
	Part-No.	770921
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

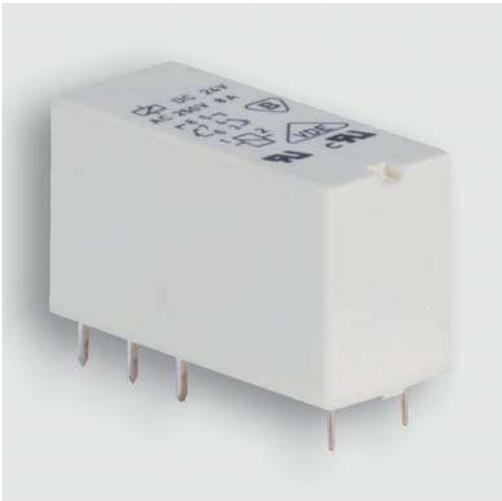
Dimensions



Comments

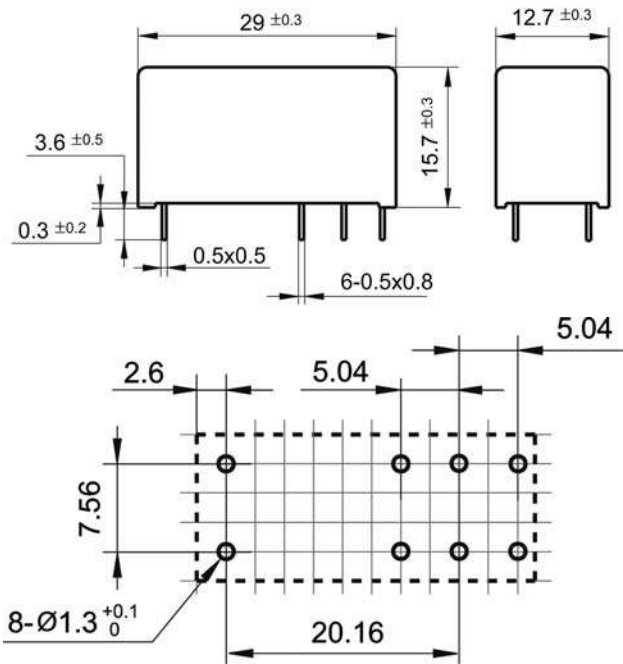
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE2W-0922 DC110V
	Part-No.	770922
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

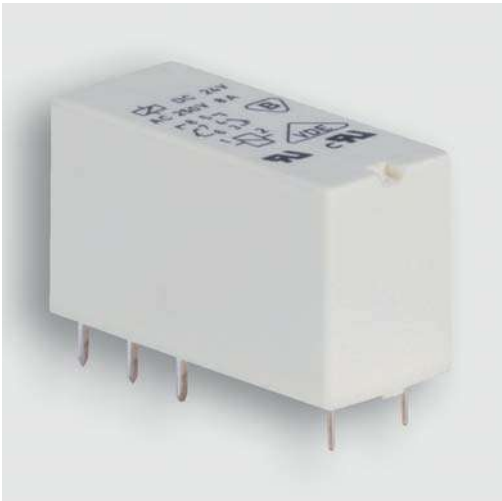
Dimensions



Comments

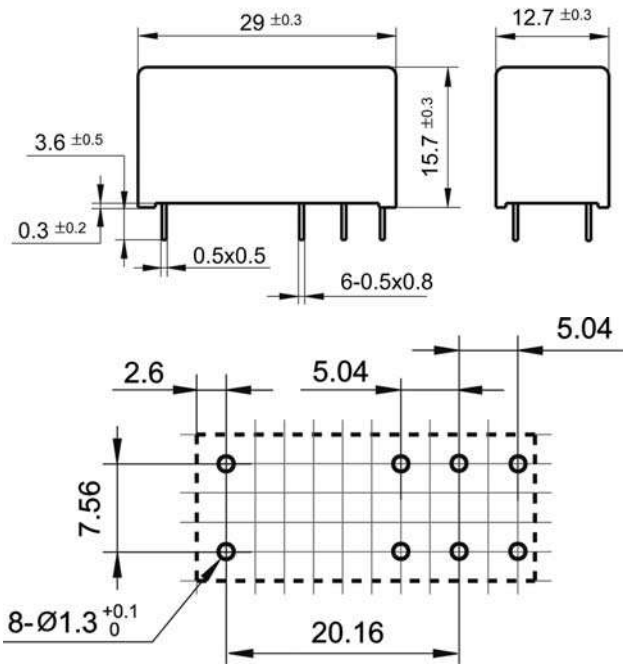
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE2WHV-0923 DC110V
	Part-No.	770923
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

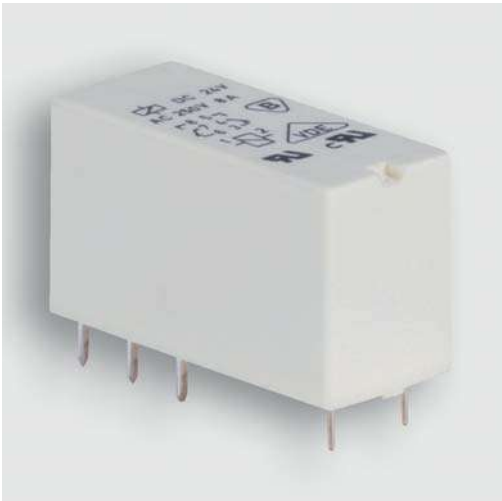
Dimensions



Comments

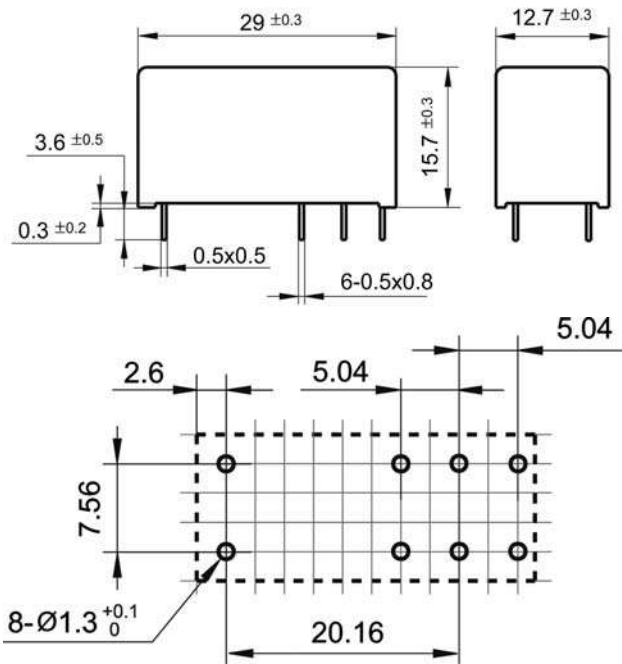
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE2W-0924 AC230V
	Part-No.	770924
Description		
Mini relay, 2 changeover contact DPDT		
AC 400 V/DC 300 V, 8 A, 2000 VA		
Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

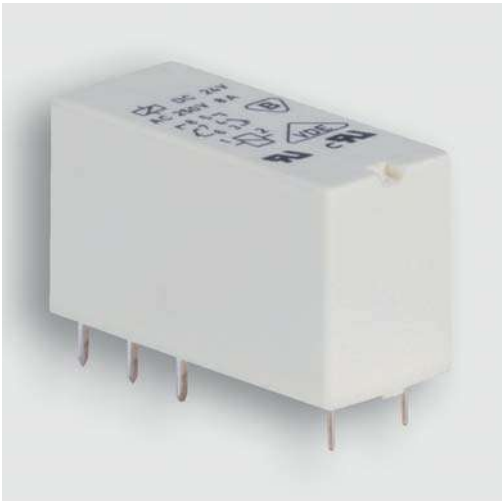
Dimensions



Comments

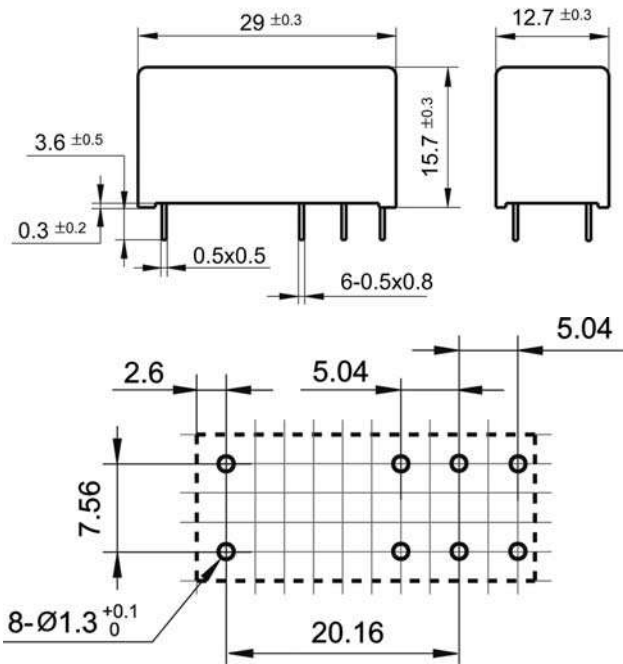
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



Identification	Type	RE2W-0926 AC12
	Part-No.	770926
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

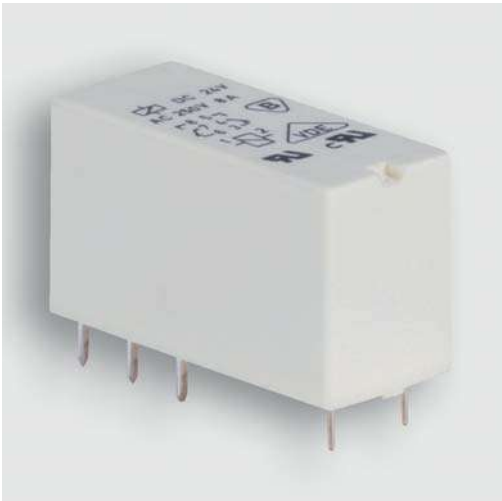
Dimensions



Comments

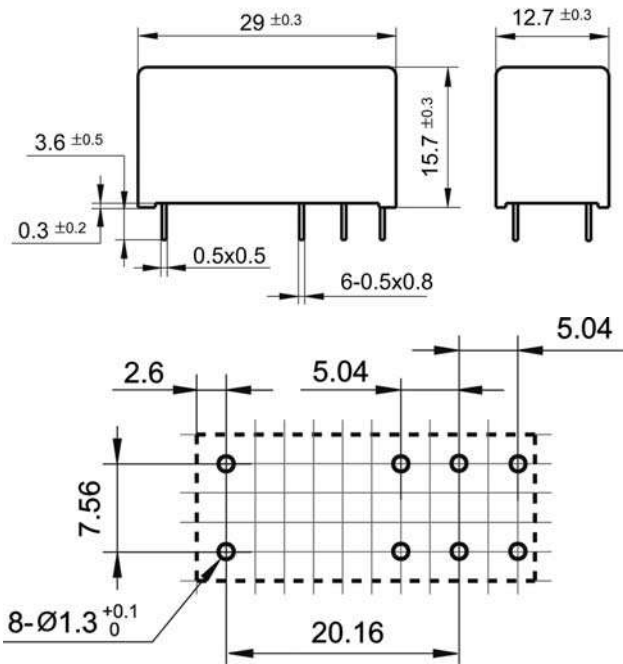
Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Microplug relay module



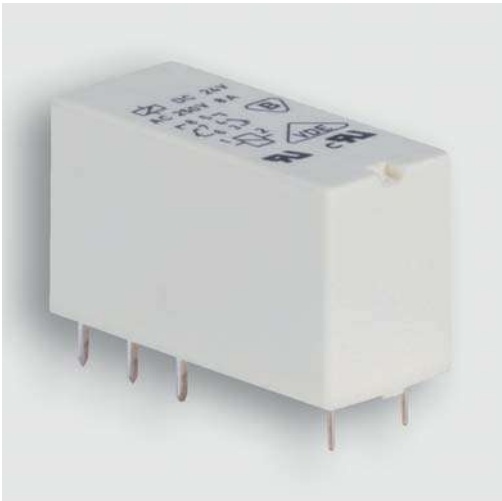
Identification	Type	RE2W-0928 AC24V
	Part-No.	770928
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions



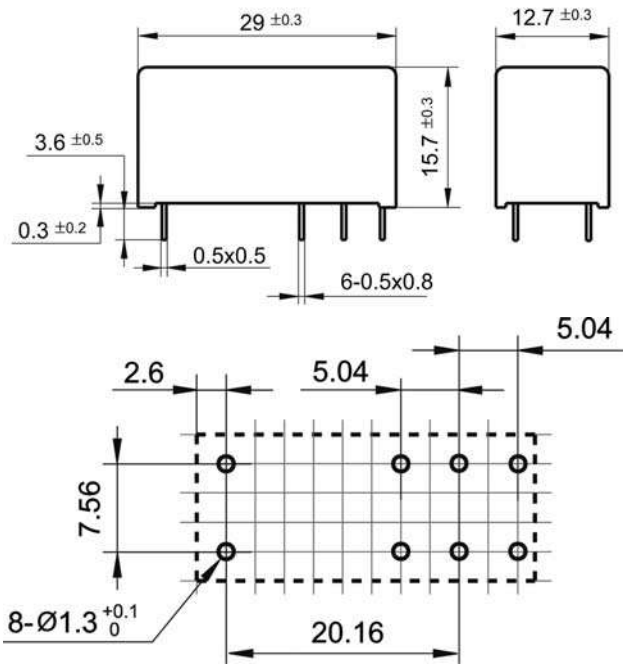
Comments

Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.



Identification	Type	RE2W-0930 AC120
	Part-No.	770930
Description		
Mini relay, 2 changeover contact DPDT AC 400 V/DC 300 V, 8 A, 2000 VA Contact material: AgNi, AgNi+5 µm gold-plating		
General		
Connection device	plug-in	
Protection class	RTII – flux-tight	
Operation temperature range	-40 °C ... +70 °C	
Storage temperature range	-40 °C ... +85 °C	
Weight	0.0140 kg/piece	
Dimensions (w × h × d)	29.0 × 15.7 × 12.7 mm	
PU	10	
Approvals	UL	
	VDE	

Dimensions



Comments

Hard gold-plated contacts: In order to avoid damage to the gold layered contacts, do not exceed product specifications as permanent damage or sparking could occur between the coil and the contacts.

Technical data sheet

Interface Technology · LCIS relay module

Holding bracket for relay socket LCIS2



Identification

Type	LCIS2-CP
Part No.	770932

Product version

Datasheet version	00
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Description

Description	Holding bracket for LCIS2 relay base. Suitable for LCIS2-RSP modules or for socket 770901
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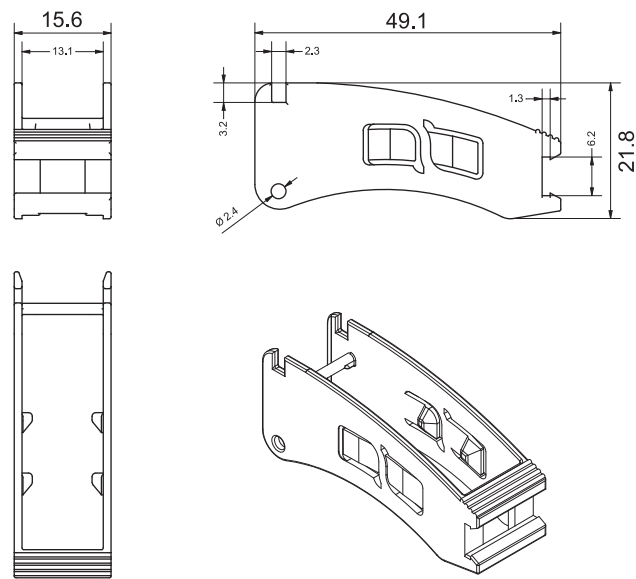
General

Housing material	PA 6.6
Color of the housing	Red
Dimensions (w × h × d)	15.6 mm × 21.8 mm × 49.1 mm
Weight/unit	0.005 kg
PU (units)	10

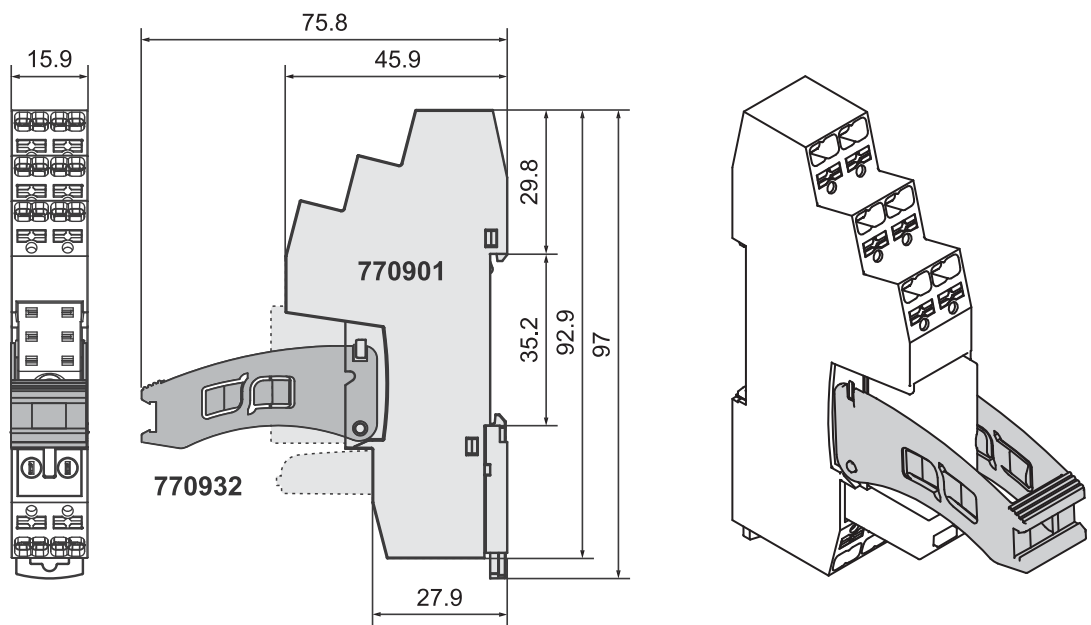
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

Dimensions



Use



Technical data sheet

Interface Technology · LCIS relay module

Holding bracket for relay socket LCIS3



Identification

Type	LCIS3-CI
Part No.	770933

Product version

Datasheet version	00
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Description

Description	Holding bracket for LCIS3 relay base. Suitable for LCIS3-RSI modules or for socket 770904.
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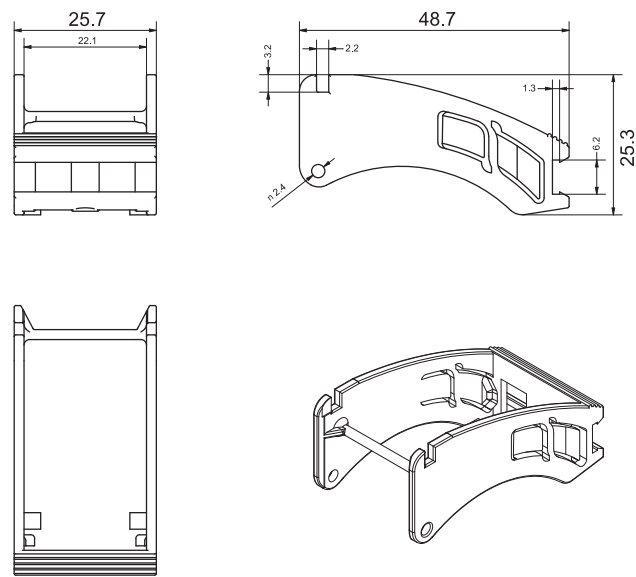
General

Housing material	PA 6.6
Color of the housing	Red
Dimensions (w × h × d)	25.7 mm × 25.3 mm × 48.7 mm
Weight/unit	0.005 kg
PU (units)	10

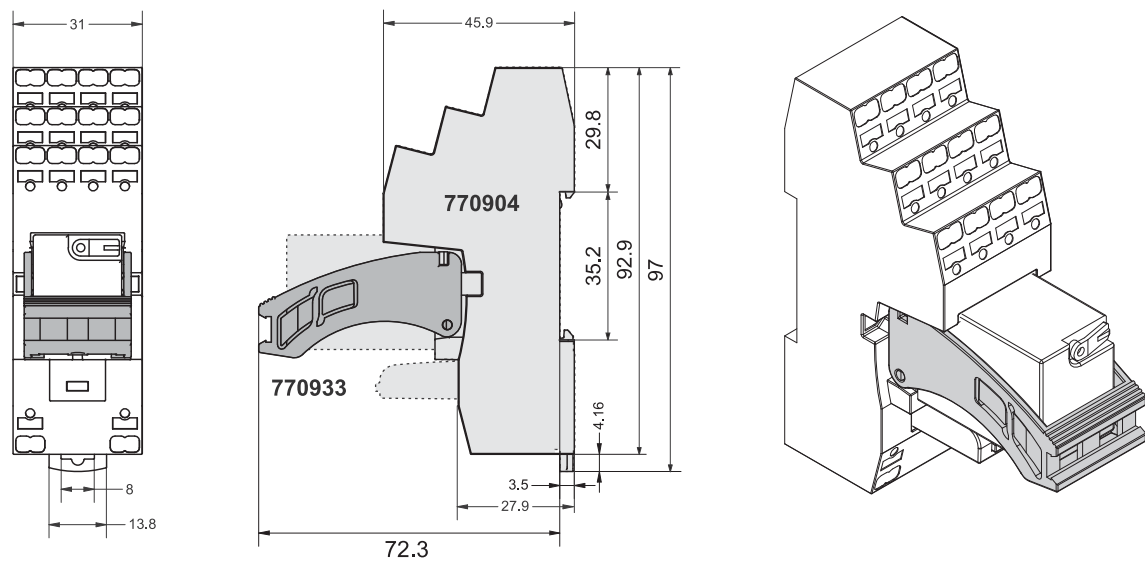
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +85 °C

Dimensions



Use



По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
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Киров (8332)68-02-04
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Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
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