

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
Switching capacity AC 15 3 A
Max. switching capacity 1500 VA / 144 W
Contact material AgSnO₂ + 5 µm HV
Mechanical service life > 10 x 10⁶ operations

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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

Approvals/Standards

Conformity	CE UKCA
Approvals	cULus (E135145) DNV (TAA000024Y)

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Standards

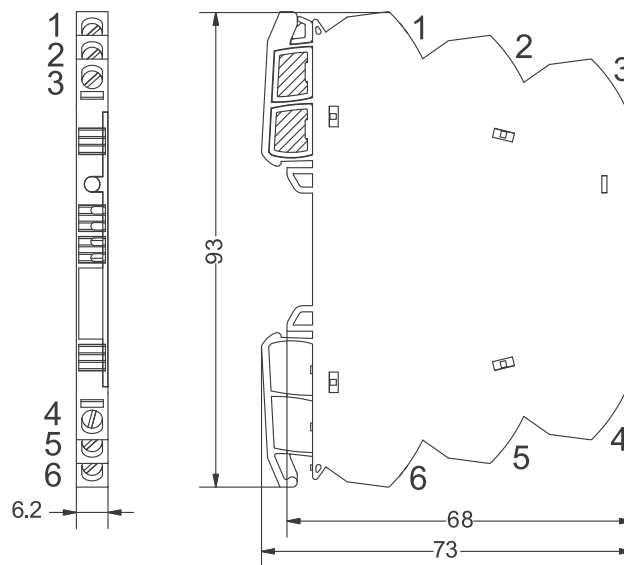
EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

Notes and Comments

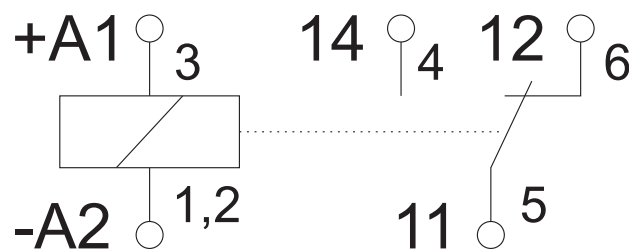
Comments

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.

Dimensions



PIN assignment



Use

