

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
Max. switching capacity 1500 VA / 144 W
Contact material AgSnO₂ + 5 µm HV
Mechanical service life > 10 x 10⁶ operations
Inrush current 16 A (4 ms)

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

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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
EMC tests	Class B

Approvals/Standards

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

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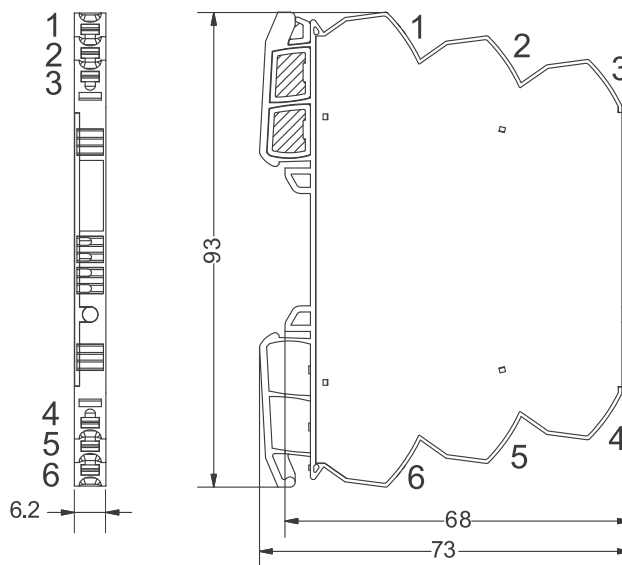
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Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339
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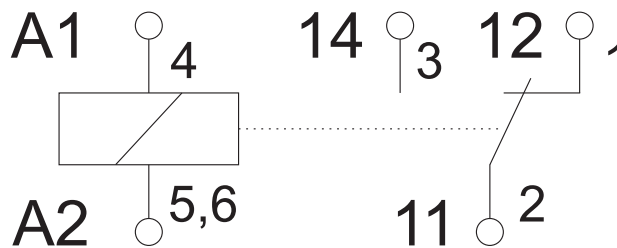
Notes and Comments

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

