

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 |
| 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 |

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Part No. [761051.0010](#) • Datasheet version: 04

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| | |
|--------------------------------|---|
| 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 |
| EMC tests | Class B |

Approvals/Standards

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

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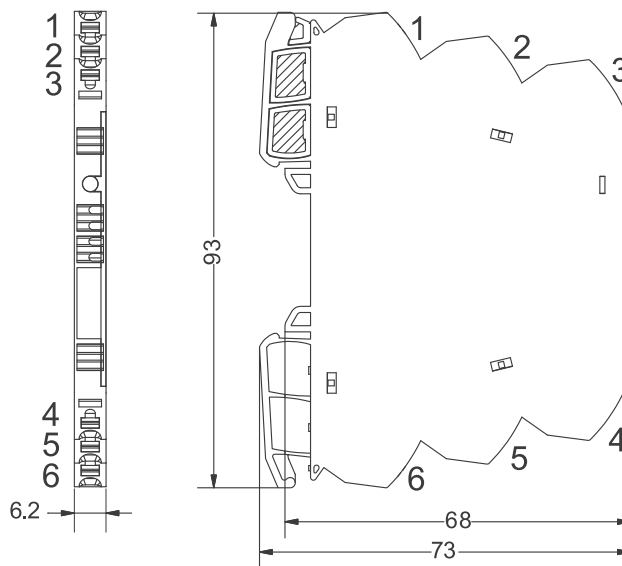
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| | |
|-----------|---|
| Standards | EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339 |
|-----------|---|

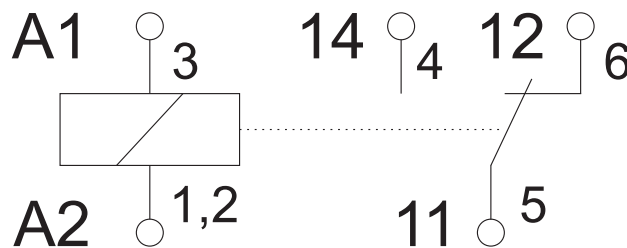
Notes and Comments

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

