

## Technical data sheet

### Interface Technology · LCIS Mechanical Relay

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**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: AgSnO<sub>2</sub>**



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#### Identification

|          |                             |
|----------|-----------------------------|
| Type     | LCIS-RS24DC-S-1U            |
| Part No. | <a href="#">760020.1000</a> |

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#### Product version

|                   |     |
|-------------------|-----|
| Hardware revision | 1.0 |
| Datasheet version | 01  |

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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        |

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#### 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                    |

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|                                |                                                |
|--------------------------------|------------------------------------------------|
| Switching capacity DC 13       | 1 A @ 24 V<br>200 mA @ 125 V<br>100 mA @ 250 V |
| Switching capacity AC 15       | 3 A                                            |
| Max. switching capacity        | 1500 VA / 144 W                                |
| Contact material               | AgSnO <sub>2</sub>                             |
| Mechanical service life        | > 10 x 10 <sup>6</sup> 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                                           |

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#### General

|                                                  |                                                                                                                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing material                                 | PA 6.6 (UL 94 V-0)                                                                                                                                                                   |
| Color of the housing                             | RAL 7012<br>basalt grey                                                                                                                                                              |
| Degree of protection                             | IP20                                                                                                                                                                                 |
| Mounting                                         | DIN rail mountable TS35<br>(EN 60715)                                                                                                                                                |
| Installation position                            | Any                                                                                                                                                                                  |
| Insulation voltage input / output                | 4.0 kV <sub>eff</sub>                                                                                                                                                                |
| Safe isolation                                   | yes                                                                                                                                                                                  |
| Clearance/creepage dist. (control/<br>load side) | >5.5 mm                                                                                                                                                                              |
| Connection type                                  | Screw terminal<br>single wire<br>0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / AWG 24–14<br>fine stranded wire with ferrule<br>0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup> / 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                                                                                                                                                                                    |

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#### 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   |

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#### Certifications/Standards

|                |                                     |
|----------------|-------------------------------------|
| Conformity     | CE<br>UKCA                          |
| Certifications | cULus (E135145)<br>DNV (TAA000024Y) |

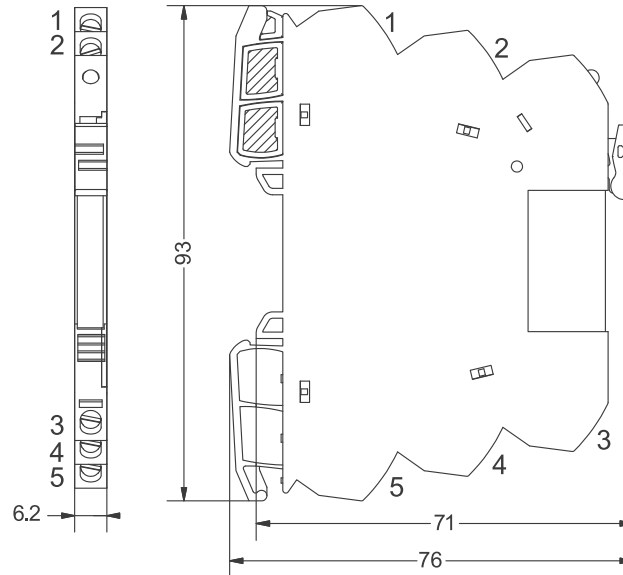
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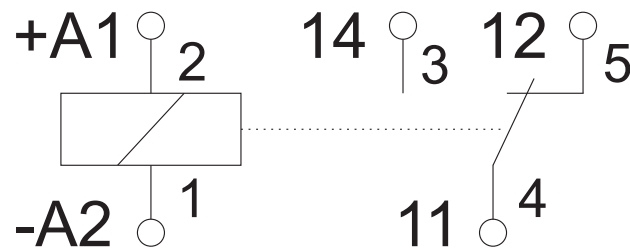
#### Standards

EN 60947-1  
EN 60947-5-1  
UL 508  
DNVGL-CG-0339

#### Dimensions



#### PIN assignment



#### Use

