

## Technical data sheet

### Interface Technology · LCIS Solid State Relay

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#### Solid state relay, 2-conductor technology

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

Screw terminal / Push-In



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#### Identification

|          |                             |
|----------|-----------------------------|
| Type     | LCIS-SR-DC-2L-200120-PI     |
| Part No. | <a href="#">764020.0120</a> |

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#### 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     |

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#### Output

|                        |                       |
|------------------------|-----------------------|
| Switching element      | MOSFET<br>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 $\mu$ A           |
| Switch-on delay        | <400 $\mu$ s          |
| Shutdown delay         | <2 ms                 |

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

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#### General

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|                                                  |                                                                                                                                                                               |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 mm                                                                                                                                                                         |
| Connection type                                  | Push-In<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                                     | 8 mm                                                                                                                                                                          |
| Dimensions (w × h × d)                           | 6.2 mm × 93.0 mm × 73.0 mm                                                                                                                                                    |
| Weight/unit                                      | 0.03 kg                                                                                                                                                                       |
| PU (units)                                       | 5                                                                                                                                                                             |

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#### General ambient conditions

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|                             |                              |
|-----------------------------|------------------------------|
| 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      |

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#### Certifications/Standards

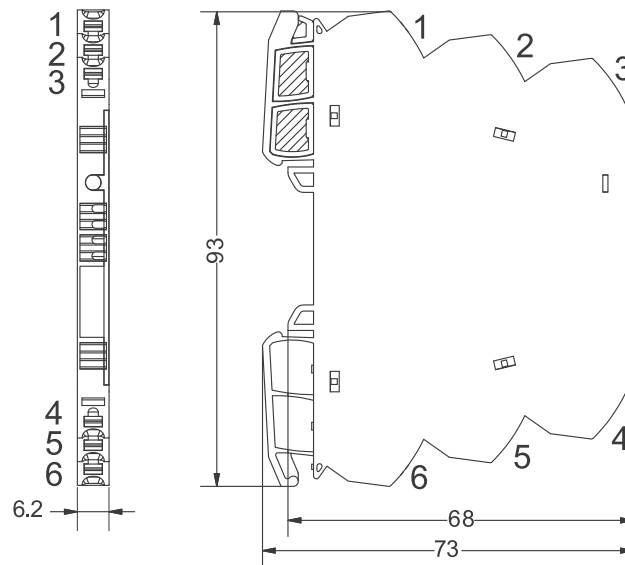
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|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Conformity     | CE<br>UKCA        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

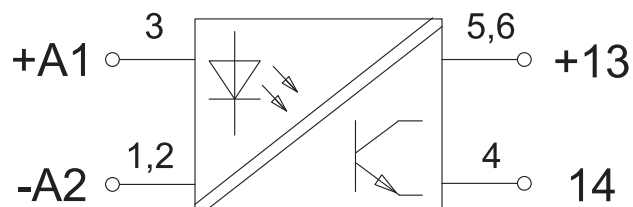
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#### Dimensions



#### PIN assignment



#### Use

