

2980157

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PLC-INTERFACE for output functions, consisting of PLC-BSP.../ACT basic terminal block with spring-cage connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 5 V DC, output: 3 - 33 V DC/3 A

Your advantages

- · Actuator connected directly to relay module
- Time savings of up to 60 %
- · Efficient connection to system cabling using V8 adapter
- · No need for additional modular terminal blocks
- Relay modules with safe isolation according to DIN EN 50178 between coil and contact
- Space savings of up to 80 %
- · Functional plug-in bridges

Commercial data

| Item number | 2980157 |
|--------------------------------------|--------------------------------|
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C461 |
| Product key | DK6223 |
| GTIN | 4017918727505 |
| Weight per piece (including packing) | 29.59 g |
| Weight per piece (excluding packing) | 27.75 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |



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Technical data

Product properties

| Product type | Solid-state relay module |
|---|--------------------------|
| Product family | PLC-INTERFACE |
| Application | Output function |
| Operating mode | 100% operating factor |
| Insulation characteristics: Standards/regulations | |
| Insulation | Basic insulation |
| Overvoltage category | III |
| Pollution degree | 2 |
| Data management status | |
| Date of last data management | 03.07.2025 |
| | |

Electrical properties

| Maximum power dissipation for nominal condition | 0.05 W |
|---|--------------------------------------|
| Test voltage (Input/output) | 2.5 kV (50 Hz, 1 min., input/output) |

Input data

| Nominal input voltage U _N | 5 V DC |
|---|--|
| Input voltage range in reference to U_N | 0.8 1.2 |
| Input voltage range | 4 V DC 6 V DC |
| Switching threshold "0" signal in reference to U_N | ≤ 0.25 |
| Switching threshold "1" signal in reference to U _N | ≥ 0.8 |
| Typical input current at U _N | 9.5 mA |
| Typical response time | 20 μs (at U _N) |
| Typical turn-off time | 300 μs (at U _N) |
| Operating voltage display | Yellow LED |
| Protective circuit | Reverse polarity protection; Polarity protection diode |
| | Freewheeling diode; Freewheeling diode |
| Transmission frequency | 300 Hz |

Output data

| Contact switching type | 1 N/O contact |
|--|--|
| Design of digital output | electronic |
| Output voltage range | 3 V DC 33 V DC |
| Limiting continuous current | 3 A (see derating curve) |
| Maximum inrush current | 15 A (10 ms) |
| Voltage drop at max. limiting continuous current | ≤ 200 mV |
| Output circuit | 2-conductor, floating |
| Protective circuit | Reverse polarity protection; Polarity protection diode |
| | Surge protection |



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Connection data

Input side

| Connection method | Spring-cage connection |
|----------------------------------|------------------------|
| Stripping length | 8 mm |
| Conductor cross section rigid | 0.14 mm² 2.5 mm² |
| Conductor cross section flexible | 0.14 mm² 2.5 mm² |
| Conductor cross section AWG | 26 14 |

Output side

| Connection method | Spring-cage connection |
|----------------------------------|------------------------|
| Stripping length | 8 mm |
| Conductor cross section rigid | 0.14 mm² 2.5 mm² |
| Conductor cross section flexible | 0.14 mm² 2.5 mm² |
| Conductor cross section AWG | 26 14 |

Dimensions

| Width | 6.2 mm |
|--------|--------|
| Height | 80 mm |
| Depth | 94 mm |

Material specifications

| Color | green (RAL 6021) |
|--|------------------|
| Flammability rating according to UL 94 | V0 (Housing) |

Environmental and real-life conditions

Ambient conditions

| Ambient temperature (operation) | -25 °C 60 °C |
|---|--------------|
| Ambient temperature (storage/transport) | -25 °C 70 °C |

Standards and regulations

Standards/regulations

| Standards/regulations | IEC 60664 |
|-----------------------|-----------|
| | EN 50178 |

Mounting

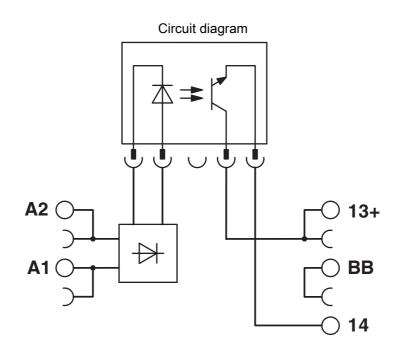
| Mounting type | DIN rail mounting |
|-------------------|---------------------------|
| Assembly note | in rows with zero spacing |
| Mounting position | any |



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Drawings





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Environmental product compliance

China RoHS

| Environment friendly use period (EFUP) | EFUP-50 |
|--|---|
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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