

2967578

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PLC-INTERFACE for input functions, consisting of PLC-BSP.../SEN 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: 24 V DC, output: 3 - 48 V DC/100 mA

Your advantages

- · Efficient connection to system cabling using V8 adapter
- Time savings of up to 60 %
- · 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
- · Sensor connected directly to relay module

Commercial data

| Item number | 2967578 |
|--------------------------------------|--------------------------------|
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C461 |
| Product key | CK6225 |
| Catalog page | Page 331 (C-7-2013) |
| GTIN | 4017918165819 |
| Weight per piece (including packing) | 30.25 g |
| Weight per piece (excluding packing) | 28.41 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |



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Technical data

Notes

| ı | 14:11:41:41:41 | n restriction |
|---|----------------|---------------|
| | JIIIIZAIIO | n restriction |

| EMC note | EMC: class A product, see manufacturer's declaration in the |
|----------|---|
| | download area |

Product properties

| Product type | Solid-state relay module |
|----------------|--------------------------|
| Product family | PLC-INTERFACE |
| Application | Input function |
| Operating mode | 100% operating factor |

Insulation characteristics

| Insulation | Basic insulation |
|------------|------------------|
| | |

Insulation characteristics: Standards/regulations

| Insulation | Basic insulation |
|----------------------|------------------|
| Overvoltage category | III |
| Pollution degree | 2 |

Electrical properties

| Test voltage (Input/output) | 2.5 kV (50 Hz, 1 min., input/output) |
|-----------------------------|--------------------------------------|
|-----------------------------|--------------------------------------|

Input data

| Nominal input voltage U _N | 24 V DC |
|--|--|
| Input voltage range in reference to $\mathbf{U}_{\mathbf{N}}$ | 0.8 1.2 |
| Input voltage range | 19.2 V DC 28.8 V DC |
| Switching threshold "0" signal in reference to U_N | ≤ 0.4 |
| Switching threshold "1" signal in reference to $\mathbf{U}_{\mathbf{N}}$ | ≥ 0.8 |
| Typical input current at U _N | 8.5 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 48 V DC |
| Limiting continuous current | 100 mA |
| Voltage drop at max. limiting continuous current | ≤ 1 V |



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| Output circuit | 2-conductor, floating |
|--------------------|--|
| Protective circuit | Reverse polarity protection; Polarity protection diode |
| | Surge protection |

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

| Assembly instructions | in rows with zero spacing |
|-----------------------|---------------------------|
| Mounting position | any |



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