



Pre-assembled relay module PRS..., Screw connection, Consisting of: relay socket base, power contact relay, pluggable display/suppression module and holding clip, 4 CO contacts, Input voltage: 24 VDC

### Business data

|  |                 |
|--|-----------------|
| Article number                             | <u>15173.2</u>  |
| Article name                               | PRSU 4/24V DC   |
| GTIN (EAN)                                 | 4044211046507   |
| Packaging unit                             | 10              |
| Quantity unit                              | PC              |
| Weight per piece (not including packaging) | 88.6 g          |
| Weight per piece (including packaging)     | 98.41 g         |
| Unit of weight                             | G               |
| Customs number                             | 85364900        |
| Country of origin                          | CN              |
| Product description                        | Complete module |

### Technical data

#### Dimensions

|                            |         |
|----------------------------|---------|
| Length                     | 76 mm   |
| Width                      | 27.1 mm |
| Height TS 35 / 7.5 with BA | 85 mm   |

#### Ratings

|                      |          |
|----------------------|----------|
| Rated voltage Un     | 24 VDC - |
| Overvoltage category | III      |
| Contamination degree | 3        |

#### Connection data

|  |                     |
|--|---------------------|
| Connection principle                                     | Screw connection    |
| Wire cross-section single core (rigid), min.             | 0.2 mm <sup>2</sup> |
| Wire cross-section single-core (rigid), max.             | 2.5 mm <sup>2</sup> |
| Wire cross-section stranded, min.                        | 0.2 mm <sup>2</sup> |
| Wire cross-section stranded, max.                        | 2.5 mm <sup>2</sup> |
| Wire cross-section stranded with wire-end ferrules, min. | 0.2 mm <sup>2</sup> |
| Wire cross-section stranded with wire-end ferrules, max. | 1.5 mm <sup>2</sup> |
| Stripping length   | 8 mm                |
| Torque   | 0.8 Nm              |

#### Input data

|                   |           |
|-------------------|-----------|
| Drop-out voltage  | 2,4 VDC   |
| Operating range   | ab 18 VDC |
| Power consumption | 0,75 W    |

#### Output data

|   |                     |
|---|---------------------|
| Switching voltage / switching voltage max.    | 240 / 240 VAC       |
| Continuous current max. / Inrush current max. | 6 / 12 A            |
| Contact configuration                         | 4 CO contacts       |
| Switching capacity, max.                      | 1500 VA             |
| Electrical lifespan (AC1)                     | 1,5x10 <sup>5</sup> |
| Mechanical lifespan                           | 30x10 <sup>6</sup>  |
| Contact load, min.                            | 120 mW              |
| Bounce time at close of the NO/NC contact     | 6/8 ms              |

### Technical data

#### Materials

|                           |            |
|---------------------------|------------|
| Contact material          | AgNi 90/10 |
| Flammability class UL 94  | V-0        |
| Working temperature, min. | -25 °C     |
| Working temperature, max. | 70 °C      |

#### Further technical data

|                                    |                  |
|------------------------------------|------------------|
| Degree of protection               | IP20             |
| Status display                     | ✓                |
| Insulation voltage coil/contact    | 2,5 kV           |
| Free-wheel diode                   | ✓                |
| Response/release time              | 15 / 10 ms       |
| Insulation voltage contact/contact | 1,2 kV           |
| Test button                        | ✓                |
| Vibration resistance NO/NC         | 7/4 g            |
| Pinning                            | 2.8 (fast-on) mm |

#### Environmental Product Compliance

|                                |            |
|--------------------------------|------------|
| REACH Conform                  | yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | yes        |

# Data sheet

## 15173.2 PRSU 4/24V DC



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### Approvals

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#### Standards and regulations

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|              |     |
|--------------|-----|
| CE compliant | yes |
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### Media

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### Accessories

#### Cross-connector



External cross-connector insulated, for relay socket base PRS 4/6-pole, can be shortened, Voltage: 250 V, Current: 10 A

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>15778.2</u> | AQI/PRS/6 BK | 4044211133993 | 20 ST          |

#### Screwdriver



Screwdriver with bare blade, Colour: Black-grey

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>1086.0</u>  | SDB 0,6x3,5  | 4044211014797 | 1 ST           |

#### Relays



Plug-in industrial relays with power contacts, 4 CO contacts, Test button, Mechanical switching position indicator, Polarity A1+, A2-, Input voltage: 24 VDC

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>6487.2</u>  | PRS 4/24V DC | 4044211074258 | 1 ST           |

#### Holding clamp



Relay holding clip, With eject, Suitable for relay socket base PRS 4, for industrial relays

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>15140.2</u> | PRS C4       | 4044211046224 | 1 ST           |

#### Insert modules



Insertion module, Suitable for relay socket base PRS, LED red status display, With free-wheel diode

| Article number | Article name       | GTIN (EAN)    | Packaging unit |
|----------------|--------------------|---------------|----------------|
| <u>15141.2</u> | PRS LED(RD) 24V DC | 4044211046231 | 1 ST           |