

# Data sheet

## 15798.2 PRSU 4Z/12V DC



Pre-assembled relay module PRSU..., Tension-spring connection, Consisting of: relay socket base, power contact relay, pluggable display/suppression module and holding clip, 4 CO contact, Input voltage: 12 VDC

### Business data

|                                            |                 |
|--------------------------------------------|-----------------|
| Article number                             | 15798.2         |
| Article name                               | PRSU 4Z/12V DC  |
| GTIN (EAN)                                 | 4044211135423   |
| Packaging unit                             | 1               |
| Quantity unit                              | PC              |
| Weight per piece (not including packaging) | 55.4 g          |
| Weight per piece (including packaging)     | 61.2 g          |
| Unit of weight                             | G               |
| Customs number                             | 85364900        |
| Country of origin                          | DE              |
| Product description                        | Complete module |

### Technical data

#### Dimensions

|                            |         |
|----------------------------|---------|
| Length                     | 78 mm   |
| Width                      | 27.1 mm |
| Height TS 35 / 7.5 with BA | 69.2 mm |

#### Ratings

|                      |          |
|----------------------|----------|
| Rated voltage Un     | 12 VDC - |
| Overvoltage category | III      |
| Contamination degree | 3        |

#### Connection data

|                                                          |                           |
|----------------------------------------------------------|---------------------------|
| Connection principle                                     | Tension-spring connection |
| Wire cross-section single core (rigid), min.             | 0.2 mm <sup>2</sup>       |
| Wire cross-section single-core (rigid), max.             | 1.5 mm <sup>2</sup>       |
| Wire cross-section stranded, min.                        | 0.2 mm <sup>2</sup>       |
| Wire cross-section stranded, max.                        | 1.5 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 mm <sup>2</sup>         |
| Stripping length                                         | 12 mm                     |

#### Input data

|                   |            |
|-------------------|------------|
| Drop-out voltage  | 1,2 VDC    |
| Operating range   | ab 9,0 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                      | 10 / 18 ms       |
| Insulation voltage contact/contact         | 1,2 kV           |
| Test button                                | ✓                |
| Vibration resistance NO/NC                 | 7/4 g            |
| Pinning                                    | 2.8 (fast-on) mm |
| Coil and contact connections are separated | ✓                |

#### Environmental Product Compliance

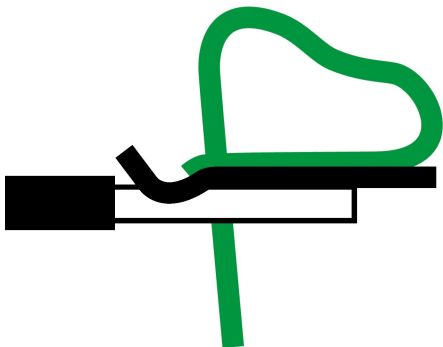
|                                |            |
|--------------------------------|------------|
| REACH Conform                  | yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | yes        |

## Approvals

## Standards and regulations

|              |     |
|--------------|-----|
| CE compliant | yes |
|--------------|-----|

Media



### Accessories

#### 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: 12 VDC

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>6486.2</u>  | PRS 4/12V DC | 4044211104283 | 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           |