

# Data sheet

## 15414.2 PRSU 2G/12V DC



Pre-assembled relay module PRS..., Screw connection, Consisting of: relay socket base, power contact relay, pluggable display/suppression module and holding clip, 2 CO contacts, Input voltage: 12 VDC

### Business data

|                                            |                 |
|--------------------------------------------|-----------------|
| Article number                             | 15414.2         |
| Article name                               | PRSU 2G/12V DC  |
| GTIN (EAN)                                 | 4044211080808   |
| Packaging unit                             | 1               |
| Quantity unit                              | PC              |
| Weight per piece (not including packaging) | 54.8 g          |
| Weight per piece (including packaging)     | 60.6 g          |
| Unit of weight                             | G               |
| Customs number                             | 85364900        |
| Country of origin                          | DE              |
| Product description                        | Complete module |

### Technical data

#### Dimensions

|                            |         |
|----------------------------|---------|
| Length                     | 76 mm   |
| Width                      | 15.6 mm |
| Height TS 35 / 7.5 with BA | 71 mm   |

#### Ratings

|                      |          |
|----------------------|----------|
| Rated voltage Un     | 12 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  | 1,2 VDC    |
| Operating range   | ab 8,4 VDC |
| Power consumption | 0,4 W      |

#### Output data

|                                               |                    |
|-----------------------------------------------|--------------------|
| Switching voltage / switching voltage max.    | 250 / 400 VAC      |
| Continuous current max. / Inrush current max. | 8 / 15 A           |
| Contact configuration                         | 2 CO contacts      |
| Switching capacity, max.                      | 2000 VA            |
| Electrical lifespan (AC1)                     | 1x10 <sup>5</sup>  |
| Mechanical lifespan                           | 30x10 <sup>6</sup> |
| 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. | -40 °C     |
| Working temperature, max. | 70 °C      |

#### Further technical data

|                                            |          |
|--------------------------------------------|----------|
| Degree of protection                       | IP20     |
| Status display                             | ✓        |
| Insulation voltage coil/contact            | 5 kV     |
| Free-wheel diode                           | ✓        |
| Response/release time                      | 8 / 6 ms |
| Insulation voltage contact/contact         | 1 kV     |
| Vibration resistance NO/NC                 | 20/5 g   |
| Pinning                                    | 5 mm     |
| Coil and contact connections are separated | ✓        |

#### Environmental Product Compliance

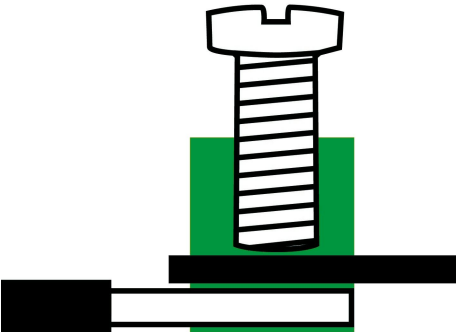
|                                |            |
|--------------------------------|------------|
| REACH Conform                  | yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | yes        |

Approvals

Standards and regulations

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

Media



### Accessories

#### Cross-connector



External cross-connector insulated, for relay socket base PRS 1 and PRS 2/6-pole, can be shortened, Voltage: 250 V, Current 10 A

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>15779.2</u> | AQI/PRS/8 BK | 4044211134006 | 20 ST          |

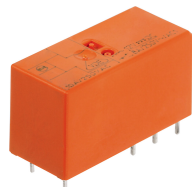
#### Screwdriver



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 miniature power relay, Encapsulated design with power contact, 2 CO contact, Input voltage: 12 VDC

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>6482.2</u>  | PRS 2/12V DC | 4044211074210 | 1 ST           |

#### Holding clamp



Relay holding clip, With eject, Suitable for relay socket base PRS 1 and PRS 2, for miniature power relays

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>15138.2</u> | PRS C1/2     | 4044211046217 | 1 ST           |

#### Insert modules

# Data sheet

## 15414.2 PRSU 2G/12V DC



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           |