



Pre-assembled relay module PRS..., Screw connection, Consisting of: relay socket base, power contact relay, pluggable display/suppression module and holding clip, 1 CO contact, Input voltage: 5 VDC

### Business data

Article number	<u>16077.2</u>
Article name	PRSU 1/5V DC
GTIN (EAN)	4044211171162
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	50.6 g
Weight per piece (including packaging)	55.6 g
Unit of weight	G
Customs number	85364900
Country of origin	QU
Product description	Complete module

### Technical data

#### Dimensions

Length	76 mm
Width	15.7 mm
Height TS 35 / 7.5 with BA	71 mm

#### Ratings

Rated voltage Un	5 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	0,5 VDC
Operating range	ab 3,5 VDC
Power consumption	0,4 W

#### Output data

Switching voltage / switching voltage max.	250 / 400 VAC
Continuous current max. / Inrush current max.	12 / 25 A
Contact configuration	1 CO contact
Switching capacity, max.	3000 VA
Electrical lifespan (AC1)	1,2x10 <sup>3</sup>
Mechanical lifespan	30x10 <sup>7</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.	-25 °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	3.5 mm

#### Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-01-17
REACH Candidate Substance Note	No
RoHS Conform	yes

# Data sheet

16077.2 PRSU 1/5V DC



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## Approvals

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### Standards and regulations

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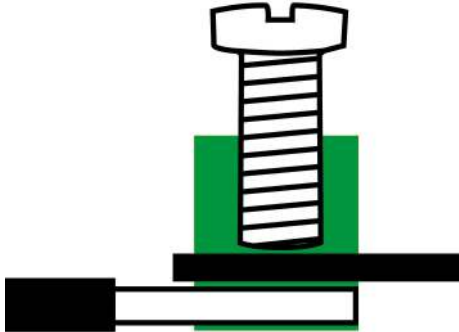
CE compliant	yes
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### Media

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## 16077.2 PRSU 1/5V DC

### 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, 1 CO contact, Input voltage: 5 VDC

Article number	Article name	GTIN (EAN)	Packaging unit
<u>16076.2</u>	PRS 1/5V DC	4044211171179	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



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