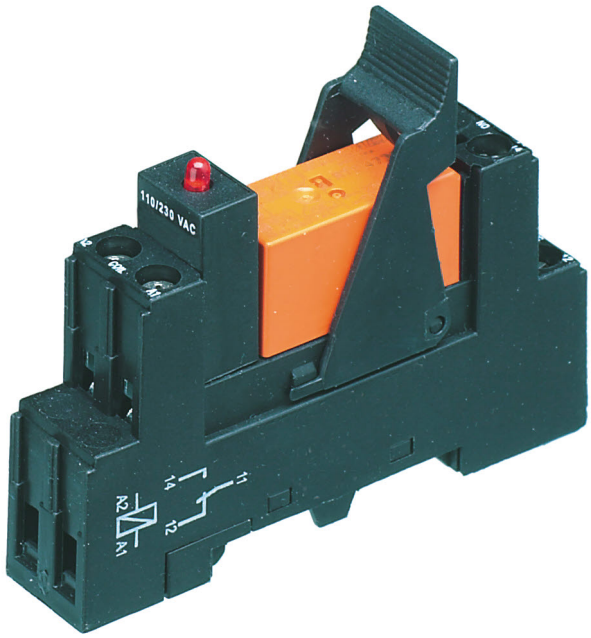
Data sheet

16077.2 PRSU 1/5V DC



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	16077.2
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

Data sheet

16077.2 PRSU 1/5V DC

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 mm²
Wire cross-section single-core (rigid), max.	2.5 mm²
Wire cross-section stranded, min.	0.2 mm²
Wire cross-section stranded, max.	2.5 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.2 mm²
Wire cross-section stranded with wire-end ferrules, max.	1.5 mm²
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)	1,2x10³
Mechanical lifespan	30x10?
Bounce time at close of the NO/NC contact	6/8 ms

Data sheet

16077.2 PRSU 1/5V DC

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	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes

Data sheet

16077.2 PRSU 1/5V DC

Approvals

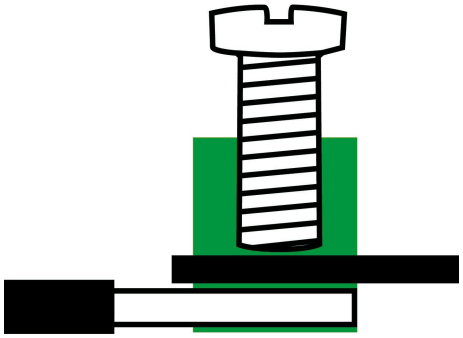
Standards and regulations

CE compliant	yes

Data sheet

16077.2 PRSU 1/5V DC

Media



Data sheet

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
15779.2	AQI/PRS/8 BK	4044211134006	20 ST

Screwdriver



Screwdriver with bare blade, Colour: Black-grey

Article number	Article name	GTIN (EAN)	Packaging unit
1086.0	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
16076.2	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
15138.2	PRS C1/2	4044211046217	1 ST

Insert modules

Data sheet

16077.2 PRSU 1/5V 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
15141.2	PRS LED(RD) 24V DC	4044211046231	1 ST