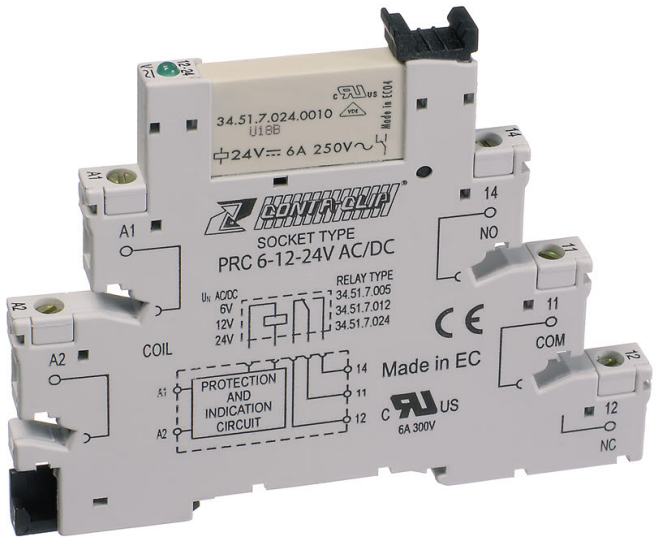
Data sheet

15509.2 PRCU 1/48V AC/DC



Plug-Relay-Compact (PRC) Complete, Consisting of base PRC... with screw connection and pluggable miniature relay PRC... with power contact, Mounting type: Mounting rail TS 35, 1 CO contact, Input voltage: 48 VAC/DC

Business data

Article number	15509.2
Article name	PRCU 1/48V AC/DC
GTIN (EAN)	4044211118488
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	34.9 g
Weight per piece (including packaging)	37.56 g
Unit of weight	G
Customs number	85364900
Country of origin	DE
Product description	Relay terminal

Data sheet

15509.2 PRCU 1/48V AC/DC

Technical data

Dimensions

Length	87.3 mm
Width	6.2 mm
Height TS 35 / 7.5 with BA	79.9 mm

Ratings

Rated voltage Un	48 VAC/DC -
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
Stripping length	10 mm
Torque	0.5 Nm

Input data

Holding current	0,6 Un AC/DC -
Drop-out voltage	0,1 Un AC / 0,05 Un DC
Operating range	0,8-1,1 Un AC/DC
Power consumption	0,2 W

Output data

Switching voltage / switching voltage max.	250 / 400 VAC
Continuous current max. / Inrush current max.	6 / 10 A
Contact configuration	1 CO contact
Switching capacity, max.	1500 VA
Electrical lifespan (AC1)	$60x10^3$
Mechanical lifespan	$10x10^6$
Contact load, min.	500 mW
Bounce time at close of the NO/NC contact	1/6 ms

Materials

Contact material	AgNi
Working temperature, min.	-40 °C
Working temperature, max.	70 °C

Data sheet

15509.2 PRCU 1/48V AC/DC

Technical data

Further technical data

Degree of protection	IP20
Status display	✓
Insulation voltage coil/contact	1 kV
Response/release time	5 / 6 ms
Insulation voltage contact/contact	6 kV
Vibration resistance NO/NC	10/5 g

Environmental Product Compliance

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

Approvals

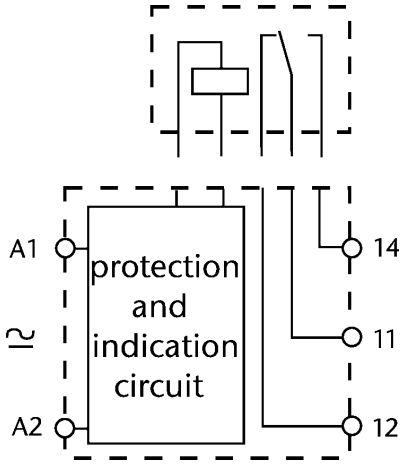
Standards and regulations

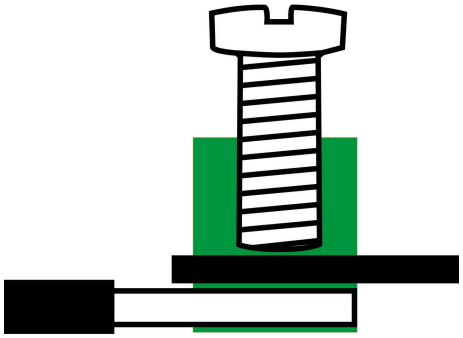
CE compliant	yes
cUL approval	CSA-C22.2 No. 14
UL approval	UL 508
UL Recognized	1
cUL Recognized	1

Data sheet

15509.2 PRCU 1/48V AC/DC

Media



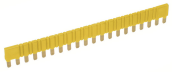


Data sheet

15509.2 PRCU 1/48V AC/DC

Accessories

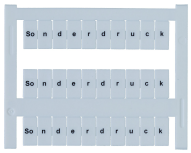
Cross-connector



External cross-connector insulated for Plug-Relay-Compact (PRC), 20-pole, can be shortened, Voltage: 250 V, Current: 36 A

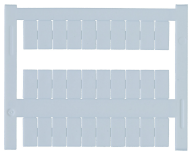
Article number	Article name	GTIN (EAN)	Packaging unit
15545.8	AQI/PRC/20 YE	4044211118440	1

Quick marking



Terminal marker / Pocket Maxicard, Length: 12 mm, Width: 6 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
9107.7	PMC BSTR 6/30 So WH	4044211099749	300 ST



Terminal marker / Pocket Maxicard, Length: 12 mm, Width: 6 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
9106.7	PMC BSTR 6/30 WH	4044211099732	300 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

Data sheet

15509.2 PRCU 1/48V AC/DC

Relays

Plug-in miniature power relay, With power contact, 1 CO contact, Input voltage: 48 VDC

Article number	Article name	GTIN (EAN)	Packaging unit
15547.2	PRC 1/48V DC	4044211118150	10 ST

Partition plate

Partition plate for Plug-Relay-Compact (PRC) for separating relay blocks, width: 1.5 mm

Article number	Article name	GTIN (EAN)	Packaging unit
15546.2	TW/PRC GR	4044211118457	1 ST