

### product type designation

product description



Figure similar

### RUGGEDCOM RP100

Power Injector for PoE, IEEE802.3af + 802.3at

The RuggedCom RP100 provides the flexibility to power remote PoE devices using standard Cat5 cable. Converging data and power onto a single cable. Compatible with the latest 802.3at high power PoE standard and backwards compatible with low power 802.3af PoE devices. Substation Rated IEC 61850-3, IEEE 1613, -40 to +85 Cel. operating temperature (no fans) Panel or DIN mounting, Lightweight Cast Aluminum Enclosure LO-AT = Rated to 12 VDC, 24-48 VDC (10-60) Standard 802.3at xx = DIN rail mounting is standard xx = none XX = Manufacturing modification: none

product brand name

RUGGEDCOM

### transfer rate

transfer rate

10, 100 Mbit/s

### interfaces

number of electrical/optical connections

- for network components or terminal equipment / maximum

2

number of electrical connections

- for network components or terminal equipment
- for Power-over-Ethernet / for network components or terminal equipment
- for power supply
- for redundant voltage supply

2

1

1

0

type of electrical connection

- for network components or terminal equipment
- for Power-over-Ethernet / for network components or terminal equipment
- for power supply

RJ45-Port

RJ45-Port

5-pole terminal block

### supply voltage, current consumption, power loss

#### supply voltage / 1 / rated value

- supply voltage / 1 / rated value
- type of voltage / 1 / of the supply voltage

10 ... 60 V

DC

#### supply voltage / 2 / rated value

- supply voltage / 2 / rated value
- type of voltage / 2 / of the supply voltage

110 V

88 ... 300 V

DC

#### supply voltage / 3 / rated value

- supply voltage / 3 / rated value
- type of voltage / 3 / of the supply voltage

85 ... 264 V

AC

### ambient conditions

ambient temperature

- during operation
- during storage
- during transport
- note

-40 ... +85 °C

-40 ... +80 °C

-40 ... +80 °C

A maximum operating temperature of +85 °C is permissible for a duration of 16 hours

relative humidity / at 25 °C / without condensation / during operation / maximum

95 %

protection class IP	IP40
<b>design, dimensions and weights</b>	
design	compact
width	56.5 mm
height	117.5 mm
depth	95.2 mm
net weight	1 kg
product feature / conformal coating	optional
fastening method	
• 35 mm DIN-rail mounting	Yes
• S7-300 rail mounting	No
• 19-inch installation	No
• mounting plate	No
• wall mounting	Yes
<b>standards, specifications, approvals</b>	
standard	
• for EMC	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 no. 60950-7
• for hazardous zone / from CSA and UL	Hazardous Locations: Class 1 Division 2
certificate of suitability	EN 61000-6-2, EN 61000-6-10
• relating to NEMA	TS 2
• CE marking	Yes
• C-Tick	No
• IEC 61850-3	Yes
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industry Mall/RUGGEDCOM selector	<a href="http://ruggedcom-selector.automation.siemens.com">http://ruggedcom-selector.automation.siemens.com</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Siemens RUGGEDCOM	<a href="http://siemens.com/ruggedcom">http://siemens.com/ruggedcom</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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