

### 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 HI-AT = Rated to 125- 250 VDC (88-300) or 100-240 VAC (85-264), 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>	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4)

last modified:

4/9/2025 