

product type designation	<b>RUGGEDCOM RP110</b>
product description	Power Injector for PoE, IEEE802.3af + 802.3at
<p>The RUGGEDCOM RP110 provides the flexibility to power remote PoE devices using standard Cat5 cable. In addition to a power injector, the RP110 has a built in serial server, designed to bridge legacy serial devices on to an IP network. It offers a single interface capable of supporting RS422, 485 and 232 protocols, and is protocol aware for certain common serial protocols such as DNP and Modbus. Substation Rated IEC 61850-3, IEEE 1613, -40 to +85 Cel operating temperature (no fans) Panel or DIN mounting, Lightweight Cast Aluminum Enclosure HI-RM = Rated to 125- 250 VDC (88-300) or 100-240 VAC (85-264), RuggedMax Power Delivery (RuggedMax devices only) xx = DIN rail mounting is standard xx = none XX = Manufacturing modification: none</p>	
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s
<ul style="list-style-type: none"> <li>• according to RS 232</li> <li>• according to RS 422/485</li> </ul>	300 bit/s ... 115200 bit/s 300 bit/s ... 115200 bit/s
<b>interfaces</b>	
number of electrical/optical connections	2
<ul style="list-style-type: none"> <li>• for network components or terminal equipment / maximum</li> </ul>	
number of electrical connections	2
<ul style="list-style-type: none"> <li>• for network components or terminal equipment</li> <li>• for Power-over-Ethernet / for network components or terminal equipment</li> <li>• for serial interfaces / according to RS 232/RS 422/RS 485 / maximum</li> <li>• for power supply</li> <li>• for redundant voltage supply</li> </ul>	1 1 1 1 0
type of electrical connection	
<ul style="list-style-type: none"> <li>• for network components or terminal equipment</li> <li>• for Power-over-Ethernet / for network components or terminal equipment</li> <li>• for power supply</li> </ul>	RJ45-Port, 7-pole terminal block RJ45-Port 5-pole terminal block
<b>supply voltage, current consumption, power loss</b>	
<b>supply voltage / 1 / rated value</b>	
<ul style="list-style-type: none"> <li>• supply voltage / 1 / rated value</li> <li>• type of voltage / 1 / of the supply voltage</li> </ul>	10 ... 60 V DC
<b>supply voltage / 2 / rated value</b>	110 V
<ul style="list-style-type: none"> <li>• supply voltage / 2 / rated value</li> <li>• type of voltage / 2 / of the supply voltage</li> </ul>	88 ... 300 V DC
<b>supply voltage / 3 / rated value</b>	
<ul style="list-style-type: none"> <li>• supply voltage / 3 / rated value</li> <li>• type of voltage / 3 / of the supply voltage</li> </ul>	85 ... 264 V AC
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• note</li> </ul>	-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 top hat 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:

3/12/2024 