

## 6GK6011-0AP2.-.... RUGGEDCOM RP110

## Technical Data

## Product-type designation

## RUGGEDCOM RP110

## Product description

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

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

## Transmission rate

## Transfer rate

- 1
- 2

10 Mbit/s

100 Mbit/s

## Transfer rate

- in accordance with RS 232
- in accordance with RS 422/485

300...115200 bit/s

300...115200 bit/s

## Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum

2

Number of electrical connections

- for network components and terminal equipment
- for Power-over-Ethernet / for network components or terminal equipment
- for serial interfaces / in accordance with RS 232/RS 422/RS 485 / maximum
- for power supply
- for redundant power supply

2

1

1

1

0

Design of electrical connection

- for network components and terminal equipment
- for Power-over-Ethernet / for network

RJ45-Port, 7-pole terminal block

RJ45-Port

components or terminal equipment	
• for power supply	5-pole terminal block
<b>Supply voltage, current consumption, power loss</b>	
<b>Type of voltage / 1 / of the supply voltage</b>	DC
Supply voltage / 1	
• rated value	10...60 V
<b>Type of voltage / 2 / of the supply voltage</b>	DC
Supply voltage / 2	
• rated value	110 V
• rated value	88...300 V
<b>Type of voltage / 3 / of the supply voltage</b>	AC
Supply voltage / 3	
• rated value	85...264 V
<b>Permitted ambient conditions</b>	
Ambient temperature	
• during operating	-40...+85 °C
• during storage	-40...+80 °C
• during transport	-40...+80 °C
• Comment	A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Coating	conformal coating optional
Protection class IP	IP40
<b>Design, dimensions and weight</b>	
Design	compact
Width	56.5 mm ( 2.225 in )
Height	117.5 mm ( 4.625 in )
Depth	95.2 mm ( 3.75 in )
Net weight	1 kg
Type of mounting	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	No
• Installation 19 inch	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 / of CSA and UL	UL 60950-1, CSA C22.2 no. 60950-7
• for hazardous area / of CSA and UL	Hazardous Locations: Class 1 Division 2
Verification of suitability	EN 61000-6-2, EN 61000-6-10
Verification of suitability	
• regarding NEMA	TS 2

• CE mark	Yes
• C-Tick	No
• IEC 61850-3	Yes
<b>Further Information / Internet Links</b>	
Internet link	
• to website	
• Industry Mall/RUGGEDCOM Selector	<a href="http://ruggedcom-selector.automation.siemens.com">http://ruggedcom-selector.automation.siemens.com</a>
• Industry Mall	<a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>
• selection instrument cables and connectors	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• Information und Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>
• image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• Industry Online Support	<a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>
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