

6GK6003-0AC2.-.... RUGGEDCOM RMC30

Technical Data

Product-type designation RUGGEDCOM RMC30

Product description 2-Port Serial-to-Ethernet Converter, 128-bit Encryption



RUGGEDCOM RMC30 2-PORT SERIAL-TO- ETHERNET SERVER 128-BIT ENCRYPTION;

Transmission rate

Transfer rate	
• 1	10 Mbit/s
• 2	100 Mbit/s
Transfer rate	
• in accordance with RS 232	300...115200 bit/s
• in accordance with RS 422/485	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	1
• maximum	1
• for serial interfaces / in accordance with RS 232/RS 422/RS 485 / maximum	2
• for power supply	1
• for redundant power supply	0
Design of electrical connection	
• for network components and terminal equipment	RJ45-Port, 7-pole terminal block

<ul style="list-style-type: none"> for power supply 	3-pole terminal block
Number of optical connections / for fiber-optic cables	
<ul style="list-style-type: none"> at 10 Mbit/s 	1
Design of optical interface / for optical waveguide	
<ul style="list-style-type: none"> at 10 Mbit/s 	ST-Port (BFOC-Port)
Range / at the optical interface / depending on the optical fiber used	2...2 km
Supply voltage, current consumption, power loss	
product options / wide range power supply	Yes
Type of voltage / 1 / of the supply voltage	DC
Supply voltage / 1	
<ul style="list-style-type: none"> rated value 	24 V
<ul style="list-style-type: none"> rated value 	18...36 V
Type of voltage / 2 / of the supply voltage	DC
Supply voltage / 2	
<ul style="list-style-type: none"> rated value 	48 V
<ul style="list-style-type: none"> rated value 	36...59 V
Type of voltage / 3 / of the supply voltage	DC
Supply voltage / 3	
<ul style="list-style-type: none"> nominal value 	110 V
<ul style="list-style-type: none"> rated value 	88...300 V
Type of voltage / 4 / of the supply voltage	AC
Supply voltage / 4	
<ul style="list-style-type: none"> rated value 	85...265 V
Product component / fusing at power supply input	Yes
Power loss	
<ul style="list-style-type: none"> maximum 	2 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operating 	-40...+85 °C
<ul style="list-style-type: none"> during storage 	-40...+85 °C
<ul style="list-style-type: none"> during transport 	-40...+85 °C
<ul style="list-style-type: none"> 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
operating condition / fanless operation	Yes
Protection class IP	IP40
Design, dimensions and weight	
Design	compact
Width	58 mm (2.28 in)
Height	109 mm (4.29 in)

Depth	94 mm (3.7 in)
Net weight	0.68 kg
Material / of the enclosure	21 AWG galvanized steel enclosure
Type of mounting	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	No
• Installation 19 inch	No
• wall mounting	Yes
product component part / integrated / Ethernet switch	No
product function	
• Modbus RTU to Modbus TCP conversion	Yes
Protocol / is supported	
• DNP3	Yes
• GVRP	No
• HTTP	Yes
• Modbus TCP	Yes
• TFTP	Yes
Product function / CLI	Yes
Product function / RMON	No
Product function / web-based management	Yes
Protocol / is supported / Telnet	Yes
Product function / MIB support	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v3	Yes
Product function / VLAN - port based	No
Product function	
• DHCP client	Yes
• DHCP Option 82	No
product function	
• redundancy procedure MSTP	No
• RSTP redundancy protocol	No
• eRSTP	No
Protocol / is supported	
• MSTP	No
• RSTP	No
Product function / IEEE 802.1x (radius)	No
Protocol / is supported / SSL	Yes
Protocol / is supported	
• NTP	No
• SNTP	Yes
Standards, specifications, approvals	
Standard	

<ul style="list-style-type: none"> • for EMC 	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
<ul style="list-style-type: none"> • for safety / of CSA and UL 	UL 60950-1, CSA C22.2 no. 60950-7
<ul style="list-style-type: none"> • for hazardous area / of CSA and UL 	Hazardous Locations: Class 1 Division 2
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Laser protection class	Complies with 21 CFR Chapter 1, Subchapter J
Verification of suitability	EN 61000-6-2, EN 61000-6-10
Verification of suitability	
<ul style="list-style-type: none"> • regarding NEMA 	TS 2
<ul style="list-style-type: none"> • CE mark 	Yes
<ul style="list-style-type: none"> • C-Tick 	No
<ul style="list-style-type: none"> • IEC 61850-3 	Yes
Further Information / Internet Links	
Internet link	
<ul style="list-style-type: none"> • to website 	
<ul style="list-style-type: none"> • Industry Mall/RUGGEDCOM Selector 	http://ruggedcom-selector.automation.siemens.com
<ul style="list-style-type: none"> • Industry Mall 	http://www.siemens.com/industrial-controls/mall
<ul style="list-style-type: none"> • selection instrument cables and connectors 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • CAx-Download-Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • Information und Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • Industry Online Support 	http://support.automation.siemens.com
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