

Product-type designation	
RUGGEDCOM RMC20	
Product description	2-Port media converter serial-to-fiber and serial standards, convert RS232 to either RS485 or RS422 serial standards RUGGEDCOM RMC20 MEDIA CONVERTER IS A UTILITY-GRADE, PROTOCOL-INDEPENDENT, SERIAL-TO-FIBER AND SERIAL STANDARDS CONVERTER FOR ALL YOUR SERIAL COMMUNICATION REQUIREMENTS. THE RMC20 ALLOWS RS485, RS422, OR RS232 DEVICES OR NETWORKS TO COMMUNICATE OVER SECURE, NOISE IMMUNE, OPTICALLY ISOLATED, FIBER OPTIC CABLING AT EXTENDED DISTANCES AS WELL CONVERT RS232 TO EITHER RS485 OR RS422 SERIAL STANDARDS. 48 = 48 VDC (36-59 VDC) XX = NO POWER SUPPLY 2 XX = NONE XX = NONE XX = MANUFACTURING MODIFICATION: NONE
Transmission rate	
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 connections	
• for network components and terminal equipment	
• 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	7-pole terminal block
• for power supply	3-pole terminal block
Number of optical connections / for network components or terminal equipment / maximum	1
Number of optical connections / for fiber-optic cables	
• in serial operation	1
Design of optical interface / for optical waveguide	
• 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 / 1 / of supply voltage	DC
Supply voltage / 1	
• rated value	24 V
• rated value	18 ... 36 V
Type / 2 / of supply voltage	DC
Supply voltage / 2	
• rated value	48 V
• rated value	36 ... 59 V
Type / 3 / of supply voltage	DC
Supply voltage / 3	
• nominal value	110 V
• rated value	88 ... 300 V
Type / 4 / of supply voltage	AC
Supply voltage / 4	
• rated value	85 ... 265 V
Product component / fusing at power supply input	Yes
Power loss	
• maximum	2 W

Permitted ambient conditions

Ambient temperature	
• during operating	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °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
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
Mounting type	

• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	No
• 19-inch installation	No
• wall mounting	Yes
product component part / integrated / Ethernet switch	No
product function	
• DNP 3.0 to DNP conversion via UDP/TCP	No
• Modbus RTU to Modbus TCP conversion	No
• RAW socket mode for any serial protocols	No
Protocol / is supported	
• DNP3	No
• GVRP	No
• HTTP	No
• Modbus TCP	No
• TFTP	No
Product function / CLI	No
Product function / RMON	No
Product function / web-based management	No
Protocol / is supported / Telnet	No
Product function / MIB support	No
Protocol / is supported	
• SNMP v1	No
• SNMP v3	No
Product function / VLAN - port based	No
Product function	
• DHCP client	No
• DHCP Option 82	No
product function	
• redundancy procedure MSTP	No
• redundancy procedure RSTP	No
• eRSTP	No
Protocol / is supported	
• MSTP	No
• RSTP	No
Product function / IEEE 802.1x (radius)	No
Protocol / is supported / SSL	No
Protocol / is supported	
• NTP	No
• SNTP	No

Standards, specifications, approvals

Standard

- for EMC
- for safety / of CSA and UL
- for hazardous area / of CSA and UL
- for emitted interference
- for interference immunity

Laser protection class

Verification of suitability

Verification of suitability

- regarding NEMA
- CE mark
- C-Tick
- IEC 61850-3

FCC Part 15 (Class A), EN55022 (CISPR22 Class A)

UL 60950-1, CSA C22.2 no. 60950-7

Hazardous Locations: Class 1 Division 2

EN 61000-6-4 (Class A)

EN 61000-6-2

Complies with 21 CFR Chapter 1, Subchapter J

EN 61000-6-2, EN 61000-6-10

TS 2

Yes

No

Yes

Further Information / Internet Links

Internet-Link

- to website: Industry Mall/RUGGEDCOM-Selector
- to website: Industry Mall
- to website: Selector for cables and connectors
- to website: Industrial communication
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://ruggedcom-selector.automation.siemens.com>

<http://www.siemens.com/industrial-controls/mall>

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<http://support.automation.siemens.com>

letzte Änderung:

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