

Product-type designation		RUGGEDCOM RMC
Product description		2 Port Ethernet Media and Speed Converter RUGGEDCOM RMC IS AN INDUSTRIALLY HARDENED FIBER OPTICAL MEDIA CONVERTER SPECIFICALLY DESIGNED TO OPERATE IN HARSH ENVIRONMENTS SUCH AS THOSE FOUND IN ELECTRIC UTILITY SUBSTATIONS AND FACTORY FLOORS. DIFFERENT FIBER OPTIC TYPES DIN RAIL MOUNTING IS STANDARD 48 = 48 VDC (36-59 VDC) XX = NO POWER SUPPLY 2 TXFXSM = 1 X 100TX TO 1 X 100FX SINGLEMODE, 1310 NM,15 KM VIA SFF LC CONNECTOR XX = NONE XX = MANUFACTURING MODIFICATION: NONE
Transmission rate		
Transfer rate		
• 1		10 Mbit/s
• 2		100 Mbit/s
Interfaces		
Number of electrical/optical connections / for network components or terminal equipment / maximum		1
• remark		10BaseT -> 10BaseFL
Number of electrical connections		
• for network components and terminal equipment		1
• for serial interfaces / in accordance with RS 232/RS 422/RS 485 / maximum		1
• for power supply		1
• for redundant power supply		0
Design of electrical connection		
• for network components and terminal equipment		RJ45 port
• for power supply		5-pole terminal block
Number of optical interfaces / for optical waveguide		
• at 100 Mbit/s		1
Design of optical interface / for optical waveguide		
• at 10 Mbit/s		ST-Port
• at 100 Mbit/s		ST-/MTRJ-/LC-Port
Range / at the optical interface / depending on the optical fiber used		2 ... 15 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
Active power loss / at 24 V / for DC	5 W
Power loss	
• maximum	5 W
Permitted ambient conditions	
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
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
• 19-inch installation	No

• wall mounting	Yes
Standards, specifications, approvals	
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 Locat...1 Division 2
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
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
• IEEE 1613	Yes
Further Information / Internet Links	
Internet-Link	
• to website: Industry Mall/RUGGEDCOM-Selector	http://ruggedcom-selector.automation.siemens.com
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Selector for cables and connectors	http://www.siemens.com/snst
• to website: Siemens RUGGEDCOM	http://siemens.com/ruggedcom
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com
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