

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 HI = 88-300 VDC OR 85-264 VAC XX = NO POWER SUPPLY 2 TFLMM = 1 X 10T TO 1 X 10FL MULTIMODE, 820 NM, 2 KM VIA ST CONNECTORS XX = NONE C01 = MANUFACTURING MODIFICATION: CONFORMAL COATING
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
- rated value

24 V

18 ... 36 V

Type / 2 / of supply voltage

DC

Supply voltage / 2

- rated value
- rated value

48 V

36 ... 59 V

Type / 3 / of supply voltage

DC

Supply voltage / 3

- nominal value
- rated value

110 V

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
- during storage
- during transport
- Comment

-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 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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