

| | |
|---------------------------------|---|
| 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 |

Transmission rate

| | |
|---------------|-----------------------|
| Transfer rate | 10 Mbit/s, 100 Mbit/s |
|---------------|-----------------------|

Interfaces

| | |
|---|---|
| Number of electrical/optical connections / for network components or terminal equipment / maximum | 2; Options: 10BaseT to/from 10BaseFL, 100BaseTX to/from 100BaseFX |
| Number of electrical connections | |
| • for network components or terminal equipment | 1 |
| • for power supply | 1 |
| Type of electrical connection | |
| • for network components or terminal equipment | RJ45 port |
| • for power supply | 5-pole terminal block |
| Number of optical interfaces | |
| • for fiber optic cable / at 100 Mbit/s | 1 |
| Design of the optical interface | |
| • for fiber optic cable / at 10 Mbit/s | ST Port |
| • for fiber optic cable / at 100 Mbit/s | 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 |
| Supply voltage / 1 / Rated value | 24 V |
| • Supply voltage / 1 / rated value | 18 ... 36 V |
| • Type of voltage / 1 / of the supply voltage | DC |
| Supply voltage / 2 / Rated value | 48 V |
| • Supply voltage / 2 / rated value | 36 ... 59 V |
| • Type of voltage / 2 / of the supply voltage | DC |
| Supply voltage / 3 / Rated value | 110 V |
| • Supply voltage / 3 / rated value | 88 ... 300 V |
| • Type of voltage / 3 / of the supply voltage | DC |
| Supply voltage / 4 / Rated value | |
| • Supply voltage / 4 / rated value | 85 ... 265 V |
| • Type of voltage / 4 / of the supply voltage | AC |

| | |
|---|-----|
| Product component / fusing at power supply input | Yes |
| Power loss [W] | |
| <ul style="list-style-type: none"> • maximum | 5 W |

Permitted ambient conditions

| | |
|--|--|
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport • Note | <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>A maximum ambient operating temperature of +85 °C is permissible for a duration of 16 hours</p> |
| Relative humidity / at 25 °C / without condensation / during operation / maximum | 95 % |
| Operating condition / fanless operation | Yes |

Design, dimensions and weight

| | |
|--|-----------------------------------|
| Design | Compact |
| Width | 58 mm |
| Height | 109 mm |
| Depth | 94 mm |
| Net weight | 0.68 kg |
| Product feature / conformal coating | optional |
| Material / of the enclosure | 21 AWG galvanized steel enclosure |
| Mounting type | |
| <ul style="list-style-type: none"> • 35 mm DIN rail mounting • 19-inch installation • wall mounting | <p>Yes</p> <p>No</p> <p>Yes</p> |

Standards, specifications, approvals

| | |
|--|--|
| Standard | |
| <ul style="list-style-type: none"> • for EMC • for safety / from CSA and UL • for emitted interference • for interference immunity | <p>FCC Part 15 (Class A), EN55022 (CISPR22 Class A)</p> <p>UL 60950-1, CSA C22.2 No. 60950-7</p> <p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p> |
| Certificate of suitability | EN 61000-6-2, EN 61000-6-10 |
| <ul style="list-style-type: none"> • relating to NEMA • CE marking • C-Tick • IEC 61850-3 • IEEE 1613 | <p>TS 2</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> |
| product conformity | |
| <ul style="list-style-type: none"> • acc. to IEEE 802.3-10BaseT • acc. to IEEE 802.3u-100BaseTX • acc. to IEEE 802.3u-100BaseFX | <p>Yes</p> <p>Yes</p> <p>Yes</p> |

Further Information / Internet Links

Internet-Link

- to website: Industry Mall/RUGGEDCOM selector
- to website: Siemens RUGGEDCOM
- to website: Selector for cables and connectors
- to website: Industrial communication
- to website: Industry Mall
- 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://siemens.com/ruggedcom>

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

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

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

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

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

<https://support.industry.siemens.com>

Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

10/07/2016