SIEMENS

Data sheet 6GK6001-0AC03-0EA0

product type designation	**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 TXFXSM = SM 1300nm,15 km SFF LC 1x 100TX to 1x 100FX XX = none XX = none Manufacturing modification
product brand name	RUGGEDCOM
Technical Product Detail Page	https://i.siemens.com/1P6GK6001-0AC0
transfer rate	
transfer rate	10, 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	
● 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]	
● maximum	5 W
ambient conditions	
ambient temperature	
● during operation	-40 ... +85 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
● note	A maximum ambient operating temperature of +85 °C is permissible for a duration of 16 hours
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %

© Copyright Siemens

operating condition / fanless operation	Yes
design, dimensions and weights	
design	compact
width	58 mm
height	109 mm
depth	94 mm
net weight	0.68 kg
product feature / conformal coating	Conformal Coating optional
material / of the enclosure	21 AWG galvanized steel enclosure
fastening method	
● 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 / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-7
● for emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-10
● relating to NEMA	TS 2
● CE marking	Yes
● C-Tick	No
● IEC 61850-3	Yes
● IEEE 1613	Yes
product conformity	
● according to IEEE 802.3-10BaseT	Yes
● according to IEEE 802.3u-100BaseTX	Yes
● according to IEEE 802.3u-100BaseFX	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	630.27 kg
● during manufacturing	82.01 kg
● during operation	547.91 kg
● after end of life	0.35 kg
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to website: Industry Mall/RUGGEDCOM selector	https://www.siemens.com/ruggedcom-selector
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to website: Siemens RUGGEDCOM	https://www.siemens.com/ruggedcom
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are

© Copyright Siemens

no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval					Test Certificates
CSA	Manufacturer Declaration	UKCA	CE EG-Konf.	Declaration of Conformity	CB

other	Environment
inspection certificate	EPD

last modified: 8/28/2026

Subject to change without notice
© Copyright Siemens