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Data sheet 6GK6001-0AC02-0BA0

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 TFLMM = MM 820 nm, 2 km ST 1x 10T to 1x 10FL multimode XX = none XX = none Manufacturing modification
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 %
operating condition / fanless operation	Yes
design, dimensions and weights	
design	Compact

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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
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	http://www.siemens.com/snst
● to website: Industry Mall/RUGGEDCOM selector	http://ruggedcom-selector.automation.siemens.com
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Siemens RUGGEDCOM	http://siemens.com/ruggedcom
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://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 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 inmind, 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)

Approvals / Certificates

General Product Approval				Test Certificates	other
CSA	Manufacturer Declaration	UKCA	CE EG-Konf.	CB CB	inspection certificate

Environment

EPD

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last modified: 3/12/2024

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