SIEMENS

Data sheet 6GK6002-0AC03-0AA1

product type designation	**RMC20**
product description	2-Port media converter serial-to-fiber and serial standards, convert RS232 to either RS485 or RS422 serial standards



Figure similar

RUGGEDCOM RMC20 media converter is a utility-grade, protocol-independent, serial-to-fiber and serial standards converter for all serial communication requirements. The RMC20 allows RS485, RS422, or RS232 devices or networks to communicate over secure, noise immune, optically isolated, fiber optic cabling at extended distances as well as convert RS232 to either RS485 or RS422 serial standards HI = 88-300 VDC or 85-264 VAC XX = No Power Supply 2 XX = none XX = none C01 = Manufacturing modification: Conformal Coating

product brand name	RUGGEDCOM
Technical Product Detail Page	https://i.siemens.com/1P6GK6002-0AC0
● according to RS 232	300 ... 115200 bit/s
● according to RS 422/485	300 ... 115200 bit/s
interfaces	
number of electrical connections	
● for network components or terminal equipment / maximum	1
● for serial interfaces / according to RS 232/RS 422/RS 485 / maximum	2
● for power supply	1
● for redundant voltage supply	0
type of electrical connection	
● for network components or terminal equipment	7-pole terminal block
● for power supply	3-pole terminal block
number of optical interfaces	
● for network components or terminal equipment / maximum	1
● for fiber optic cable / in serial operation	1
design of the optical interface / for fiber optic cable	
● at 10 Mbit/s	ST-Port (BFOC-Port)
range	
● at the optical interface / depending on the optical fiber used / minimum	0 km
● at the optical interface / depending on the optical fiber used / maximum	5 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

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supply voltage / 4 / rated value	
• supply voltage / 4 / rated value	85 ... 264 V
• type of voltage / 4 / of the supply voltage	AC
product component / fusing at power supply input	Yes
power loss [W]	
• maximum	3 W
ambient conditions	
ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• note	A maximum 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
protection class IP	IP30
design, dimensions and weights	
design	compact
width	62.2 mm
height	109 mm
depth	92.8 mm
net weight	0.68 kg
product feature / conformal coating	optional
material / of the enclosure	21 AWG galvanized steel enclosure
fastening method	
• 35 mm DIN-rail mounting	Yes
• S7-300 rail mounting	No
• 19-inch installation	No
• wall mounting	Yes
product features, product functions, product components / general	
product component / integrated / Ethernet switch	No
product function	
• DNP 3.0 to DNP conversion via UDP/TCP	No
• Modbus RTU to Modbus TCP conversion	No
• RAW socket mode for any serial protocols	No
protocol / is supported	
• DNP3	No
• GVRP	No
• HTTP	No
• Modbus TCP	No
• TFTP	No
product functions / management, configuration, engineering	
product function	
• CLI	No
• RMON	No
• web-based management	No
protocol / is supported / Telnet	No
product functions / diagnostics	
protocol / is supported	
• SNMP v1	No
• SNMP v3	No
product function	
• MIB support	No
product functions / VLAN	
product function / VLAN - port based	No
product functions / DHCP	
product function	
• DHCP client	No

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● DHCP Option 82	No
product functions / redundancy	
product function	
● redundancy procedure MSTP	No
● redundancy procedure RSTP	No
● eRSTP	No
protocol / is supported	
● MSTP	No
● RSTP	No
product functions / security	
product function	
● IEEE 802.1x (radius)	No
protocol / is supported	
● SSL	No
product functions / time	
protocol / is supported	
● NTP	No
● SNTP	No
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
laser protection class	Complies with 21 CFR Chapter 1, Subchapter J
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
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

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