

6GK6004-1AC0.-.... RUGGEDCOM RMC41

Technical Data

Product-type designation	RUGGEDCOM RMC41
Product description	2 Port Ethernet Media and Speed Converter



THE RUGGEDCOM RMC41 IS A 2-PORT UNMANAGED ETHERNET SWITCH THAT PROVIDES BOTH COPPER-TO- FIBER MEDIA CONVERSION AS WELL AS 10MBPS TO 100MBPS SPEED CONVERSION. SPECIFICALLY DESIGNED TO OPERATE RELIABLY IN ELECTRICALLY AND CLIMATICALLY HARSH ENVIRONMENTS IT IS WELL SUITED FOR USE IN MISSION CRITICAL ETHERNET NETWORKING APPLICATIONS. 2-ETHERNET PORTS WITH OPTIONAL DUAL FIBER OPTICS 1 PORT 10/100TX + 1 PORT 100FX (SC/ST) MULTIMODE OR SINGLEMODE

Transmission rate	
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Transfer rate	
<ul style="list-style-type: none"> • 1 	10 Mbit/s
<ul style="list-style-type: none"> • 2 	100 Mbit/s

Interfaces	
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Number of electrical/optical connections / for network components or terminal equipment / maximum	2
<ul style="list-style-type: none"> • remark 	1 x 10/100TX port + 1 x 100FX port (SC/ST)
Number of electrical connections	
<ul style="list-style-type: none"> • for network components and terminal equipment 	1
<ul style="list-style-type: none"> • for serial interfaces / in accordance with RS 232/RS 422/RS 485 / maximum 	0
<ul style="list-style-type: none"> • for power supply 	1
<ul style="list-style-type: none"> • for redundant power supply 	1
Design of electrical connection	
<ul style="list-style-type: none"> • for network components and terminal equipment 	RJ45 port
<ul style="list-style-type: none"> • for power supply 	5-pole terminal block
Number of optical interfaces / for optical waveguide	

<ul style="list-style-type: none"> • at 100 Mbit/s 	1
Design of optical interface / for optical waveguide	
<ul style="list-style-type: none"> • at 10 Mbit/s 	ST-Port
<ul style="list-style-type: none"> • at 100 Mbit/s 	ST/SC-Port
Range / at the optical interface / depending on the optical fiber used	20...90 km
Supply voltage, current consumption, power loss	
product options / wide range power supply	Yes
Type of voltage / 1 / of the supply voltage	DC
Supply voltage / 1	
<ul style="list-style-type: none"> • rated value 	24 V
<ul style="list-style-type: none"> • rated value 	18...36 V
Type of voltage / 2 / of the supply voltage	DC
Supply voltage / 2	
<ul style="list-style-type: none"> • rated value 	48 V
<ul style="list-style-type: none"> • rated value 	36...59 V
Type of voltage / 3 / of the supply voltage	DC
Supply voltage / 3	
<ul style="list-style-type: none"> • nominal value 	110 V
<ul style="list-style-type: none"> • rated value 	88...300 V
Type of voltage / 4 / of the supply voltage	AC
Supply voltage / 4	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • maximum 	5 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	-40...+85 °C
<ul style="list-style-type: none"> • during storage 	-40...+80 °C
<ul style="list-style-type: none"> • during transport 	-40...+80 °C
<ul style="list-style-type: none"> • Comment 	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
Type of mounting	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • Installation 19 inch 	No
<ul style="list-style-type: none"> • wall mounting 	Yes
number of automatically learnable MAC addresses	2048
Standards, specifications, approvals	
Standard	
<ul style="list-style-type: none"> • for EMC 	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
<ul style="list-style-type: none"> • for safety / of CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-7
<ul style="list-style-type: none"> • for hazardous area / of CSA and UL 	Hazardous Locat...1 Division 2
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-10
Verification of suitability	
<ul style="list-style-type: none"> • regarding NEMA 	TS 2
<ul style="list-style-type: none"> • CE mark 	Yes
<ul style="list-style-type: none"> • C-Tick 	No
<ul style="list-style-type: none"> • IEC 61850-3 	Yes
<ul style="list-style-type: none"> • IEEE 1613 	Yes
Further Information / Internet Links	
Internet link	
<ul style="list-style-type: none"> • to website 	
<ul style="list-style-type: none"> • Industry Mall/RUGGEDCOM Selector 	http://ruggedcom-selector.automation.siemens.com
<ul style="list-style-type: none"> • Industry Mall 	http://www.siemens.com/industrial-controls/mall
<ul style="list-style-type: none"> • selection instrument cables and connectors 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • CAx-Download-Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • Information und Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • Industry Online Support 	http://support.automation.siemens.com

letzte Änderung:

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