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Data sheet 6GK5102-1GS00-2AC2



SCALANCE XCM102, IE media converter unmanaged 1x 100/1000 Mbps RJ45 port, 1x 100/1000 Mbps SFP port, LED diagnostics, error signaling contact with set pushbutton redundant power supply, securing collar, manual available as a download .

transfer rate	
transfer rate	100 Mbit/s, 1000 Mbit/s
interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	2
number of electrical connections	
● for network components or terminal equipment	1
● for SFP / plug-in	1; 100 Mbps and 1000 Mbps SFP plug-in transceiver usable
● for signaling contact	1
● for power supply	1
● for redundant voltage supply	1
type of electrical connection	
● for network components or terminal equipment	RJ45 port
● for signaling contact	2-pole terminal block
● for power supply	2x 3-pole terminal block
signal inputs/outputs	
operating voltage / of the signaling contacts	
● at DC / rated value	24 V
operational current / of the signaling contacts	
● at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
supply voltage / 1 / rated value	24 V
● type of voltage / 1 / of the supply voltage	DC
● consumed current / 1 / at rated supply voltage / maximum	0.15 A
● power loss [W] / 1 / rated value	2.5 W
supply voltage / 2 / rated value	24 V
● type of voltage / 2 / of the supply voltage	AC
● consumed current / 2 / at rated supply voltage / maximum	0.3 A
● power loss [W] / 2 / rated value	5 W
product component / fusing at power supply input	Yes
consumed current	
● maximum	dependent on the use of SFP plug-in transceiver
power loss [W]	
● maximum	dependent on the use of SFP plug-in transceiver
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
● note	max. operating temperature dependent on the use of SFP plug-in transceiver

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relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	Compact
width	35 mm
height	147 mm
depth	123 mm
net weight	0.22 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● S7-300 rail mounting	Yes
● S7-1500 rail mounting	Yes
● wall mounting	Yes
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● Det Norske Veritas (DNV)	Yes
● Germanische Lloyd (GL)	Yes
● Lloyds Register of Shipping (LRS)	Yes
● Polski Rejestr Statkow (PRS)	Yes
● Royal Institution of Naval Architects (RINA)	Yes
● Chinese Classification Society (CCS)	Yes
MTBF	152 a
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● 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)

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