SCALANCE XCM102

Product Data Sheet

6GK5102-1GS00-2AC2

Unmanaged Ethernet Media Converter

ELECTRICAL NETWORK PORTS	PLUGGABLE OPTICAL INTERFACES	SUPPORTED NETWORK RATES	RATED SUPPLY
1 RJ45 port	**1 SFP slot**	**100 and 1000 Mbit/s**	**24 V DC**

Siemens 6GK5102-1GS00-2AC2 is the SCALANCE XCM102 unmanaged Industrial Ethernet media converter. It connects one 100/1000 Mbit/s RJ45 interface to a 100/1000 Mbit/s SFP interface, allowing the optical connection to be selected through the appropriate plug-in transceiver. LED diagnostics and a configurable fault-signaling contact support local status indication.

01 TECHNICAL DATA

Electrical network ports	1 RJ45 port
Pluggable optical interfaces	1 SFP slot
Supported network rates	100 and 1000 Mbit/s
Rated supply	24 V DC
Fault-contact voltage	24 V DC rated
Fault-contact current	0.1 A maximum
Supply current condition 1	0.15 A maximum at rated supply
Dissipation condition 1	2.5 W rated
Supply current condition 2	0.3 A maximum at rated supply
Dissipation condition 2	5 W rated

02 ADDITIONAL PRODUCT DATA

Supply input fusing	Integrated
Operating temperature	-40 to +70 degrees C, SFP-dependent
Storage and transport temperature	-40 to +85 degrees C
Maximum non-condensing humidity	95% at 25 degrees C
Protection rating	IP20

03 PRODUCT FUNCTION

The converter uses a 24 V DC supply with redundant connection provisions and integrated input fusing. The signaling contact is rated for 24 V DC and a maximum of 0.1 A. Its IP20 enclosure supports DIN-rail, S7-300 rail or wall mounting; the stated -40 to +70 degrees C operating range remains dependent on the selected SFP transceiver.

04 SYSTEM COMPATIBILITY

Connect the 24 V DC input and any redundant feed using the documented terminal arrangement. The fault contact is a separate signaling circuit rated at 24 V DC and 0.1 A maximum. Set its monitored fault condition using the prescribed set-button procedure and prove the alarm path independently of network traffic.

05 REFERENCE

Siemens SCALANCE XCM102 6GK5102-1GS00-2AC2 Data Sheet; original manufacturer pages 1-2.

AMIKON PRODUCT SUPPORT

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