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Data sheet
6GK5202-2BB00-2BA3

Product type designation	**SCALANCE X202-2IRT**
	SCALANCE X202-2IRT MANAGED IE IRT SWITCH, 2 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S MULTIMODE BFOC, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT VOLTAGE SUPPLY, PROFINET IO DEVICE, NETWORK MANAGEMENT, RED. MANAGER INTEGRATED, WITH ELECTRONIC MANUALS ON CD, OPTIONAL C-PLUG

Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s

Interfaces

Number of electrical/optical connections	
• for network components or terminal equipment / maximum	4
Number of electrical connections	
• for network components or terminal equipment	2
Type of electrical connection	
• for network components or terminal equipment	RJ45 port
Number of optical interfaces	
• for fiber optic cable / at 100 Mbit/s	2
Design of the optical interface	
• for fiber optic cable / at 100 Mbit/s	BFOC port (multimode up to 5 km)
Connectable optical power relative to 1 mW	
• of the transmitter output	-19 ... -14
Optical sensitivity relating to 1 mW / of the receiver input / minimum	-34 dB
Damping ratio / of the FOC transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 0.05 km

Interfaces / for communication / integrated

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Number of 100 Mbit/s ST(BFOC) ports / for multimode	2
Number of 100 Mbit/s SC ports / for multimode	0
Number of 1000 Mbit/s LC ports / for multimode	0

Interfaces / others

Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes

Signal-Inputs/outputs

Operating voltage / of the signaling contacts	
• for DC / Rated value	24 V
Operating current / of the signaling contacts	
• for DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	18 ... 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.3 A
Active power loss	
• for DC / at 24 V	6 W

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP30

Design, dimensions and weight

Design	compact
Width	60 mm

Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
Cascading in cases of star topology	Any (depending only on signal propagation time)

Product functions / management, configuration

Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• Port mirroring	No
• multiport mirroring	No
• with IRT / PROFINET IO switch	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes

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Product functions / Diagnosis	
Product function	
● Port diagnostics	Yes
● Statistics Packet Size	Yes
● Statistics packet type	Yes
● Error statistics	Yes

Product functions / DHCP	
Product function	
● DHCP client	Yes

Product functions / Redundancy	
Product function	
● Ring redundancy	Yes
● High Speed Redundancy Protocol (HRP)	Yes
● high speed redundancy protocol (HRP) with redundancy manager	Yes
● high speed redundancy protocol (HRP) with standby redundancy	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● Passive listening	Yes

Product functions / Security	
Protocol / is supported	
● SSH	Yes

Product functions / Time	
Product function	
● SICLOCK support	Yes
Protocol / is supported	
● NTP	No
● SNTP	Yes

Standards, specifications, approvals	
Standard	
● for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
● for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
● for hazardous zone / from CSA and UL	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4

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• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001
Certificate of suitability	EN 61000-6-4:2001
• CE marking	Yes
• C-Tick	Yes
• KC approval	Yes
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	No
MTBF / at 40 °C	70.9 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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/automation/net/catalog
• 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

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