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Show actual product details

Data sheet 6GK5204-0JA00-2BA6

Product type designation

SCALANCE X204IRT PRO

SCALANCE X204IRT PRO, MANAGED IE IRT SWITCH IN PROT. CLASS IP65/67, 4X10/100 MBIT/S PUSH PULL RJ45 PORTS, FAULT SIGNAL CONTACT WITH SET- BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETZWORK MANAGEMENT, RED.- MANAGER INTEGRATED, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	4
Number of 100 Mbit/s SC ports	
• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
Type of electrical connection	
• for signaling contact	5-pin M12 socket
• for power supply	5-pin push-pull plug PRO socket

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design of the removable storage	
• C-PLUG	Yes

Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at 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	0.2 A
Power loss [W]	
• at DC / at 24 V	4.8 W

Permitted ambient conditions	
Ambient temperature	
• during operation	-25 ... +70 °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	IP65

Design, dimensions and weight	
Design	compact
Width	90 mm
Height	125 mm
Depth	124 mm
Net weight	1 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	100
Cascading in cases of star topology	any (depending only on signal propagation time)

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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

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	

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• 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
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
• 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, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• 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
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-4:2001
• C-Tick	Yes
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No

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• KC approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	No
• Royal Institution of Naval Architects (RINA)	No
MTBF / at 40 °C	98.55 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/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

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