

product-type designation

SCALANCE X204IRT



SCALANCE X204IRT,
MANAGED IE IRT SWITCH,
4 X 10/100MBIT/S RJ45 PORTS,
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 / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s

Interfaces

Number of electrical connections	4
• [nicht versorgt - für Netzkomponenten und Endgeräte]	4
• for alarm contact	1
• [nicht versorgt - für Spannungsversorgung]	1
• [nicht versorgt - für redundante Spannungsversorgung]	1
Design of the electrical connection	
• [nicht versorgt - für Netzkomponenten und Endgeräte]	RJ45 port
• [nicht versorgt - für Meldekontakt]	2-pole terminal block
• [nicht versorgt - für Spannungsversorgung]	4-pole terminal block
Version of the swap medium / C-Plug	Yes

Inputs/outputs

24 V
0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
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Supply voltage / external	24 V
• minimum	18 V
• maximum	32 V
	Yes
	0.6 A / 60V
Consumed current / [nicht versorgt - maximal]	0.2 A
Active power loss / at 24 V / for DC	4.8 W
Permitted ambient conditions	
Ambient temperature	
• during the operating phase	-40 °C ... 60 °C
• during storage	-40 °C ... 70 °C
• during transport	-40 °C ... 70 °C
Relative humidity / at 25 °C / without condensation / during the operating phase / maximum	95 %
Protection class IP	IP 30
Design, dimensions and weight	
Design	Compact
Width	60 mm
Height	125 mm
Depth	124 mm
net weight	0.78 kg
Type of fixing	
• 35 mm DIN rail mounting	Yes
• wall-mounting	Yes
• S7-300 rail mounting	Yes
Product properties, functions, components / general	
Cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s	50
Cascading in cases of star structuring	Any (depending only on signal propagation time)
Product functions / Configuration/management	
Product function	
• CLI	Yes
• web-based Management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• SMTP server	Yes
• Port mirroring	No
• for IRT / PROFINET IO switch	Yes
• PROFINET IO diagnosis	Yes

• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• [nicht versorgt - HTTP]	Yes
• [nicht versorgt - HTTPS]	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• DCP	Yes
• [nicht versorgt - LLDP]	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	
• Ring redundancy	Yes
• Redundancy manager	Yes
• Standby redundancy	Yes
• HSR redundancy protocol	Yes
• MRP redundancy protocol	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	
Norm	
• for EMC / from FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4 A, CL.1, Zone 2, GP. IIC, T4

• for Ex-zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• for safety / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous area / of 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 (Class A)
• for interference immunity	EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-4
• CE-mark	Yes
• C-Tick	Yes
Marine classification association/ Polski Rejestr Statkow (PRS)	
• [nicht versorgt - American Bureau of Shipping Europe Ltd. (ABS)]	Yes
• [nicht versorgt - Bureau Veritas (BV)]	Yes
• [nicht versorgt - Det Norske Veritas (DNV)]	Yes
• [nicht versorgt - Germanische Lloyd (GL)]	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
•	No
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