

Product-type designation

SCALANCE X204RNA



SCALANCE X204RNA;
REDUNDANT NETWORK ACCESS;
FOR HSR NETWORKS;
4 X 100MBIT/S RJ45 PORTS;
LED-DIAGNOSTICS;
FAULT SIGNAL CONTACT WITH SET BUTTON;
REDUNDANT POWER SUPPLY;
NETWORK-MANAGEMENT;
INCL. ELEKCTRONIC MANUAL ON CD;
C-PLUG OPTIONAL

Transmission rate

Transfer rate / 2

100 Mbit/s

Interfaces

Number of electrical/optical connections

- for network components or terminal equipment / maximum

4

Number of electrical connections

- for network components and terminal equipment
- for signaling contact
- for power supply
- for redundant power supply

4

1

1

2

Design of the electrical connection

- for network components and terminal equipment
- for signaling contact
- for power supply

RJ45 port

2-pole terminal block

4-pole terminal block

design of the removable storage / C-PLUG

Yes

Signal-Inputs/outputs

Operating voltage / of signaling contacts / at DC / rated value

24 V

Operating current / of signaling contacts / at DC / maximum

0.1 A

Supply voltage, current consumption, power loss

Type of / supply voltage

DC

Supply voltage / external	24 V
• minimum	19.2 V
• maximum	28.8 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.15 A
Active power loss / at 24 V / for DC	3.5 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	compact
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.23 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	No
Product properties, functions, components / general	
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	No
• Port mirroring	No
• for IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	No
• switch-managed	No
Protocol / is supported	
• Telnet	No
• HTTP	Yes
• HTTPS	Yes
• TFTP	No

• FTP	No
• BOOTP	No
• IGMP (snooping/querier)	No
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• DCP	No
• LLDP	No
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher level designation/location designation	Yes
Product functions / Diagnosis	
Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes
Product functions / Redundancy	
Product function	
• Ring redundancy	Yes
• Redundancy manager	No
• Standby redundancy	No
• High Speed Redundancy Protocol (HRP)	No
• Media Redundancy Protocol (MRP)	No
• Parallel Redundancy Protocol (PRP)	No
• Passive listening	No
Protocol / is supported / PRP	Yes
Product functions / Security	
Protocol / is supported / SSH	Yes
Product functions / Time	
Product function / SICLOCK support	No
Protocol / is supported	
• NTP	No
• SNTP	Yes
Standards, specifications, approvals	
Standard	
• for EMC / from FM	FM3611: Class 1, Division 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 G Ex nA II T4, KEMA 07 ATEX 0145 X

• for safety / of CSA and UL • for emitted interference • for interference immunity	UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 EN 61000-6-4:2001
Verification of suitability	
• CE mark • C-Tick • KC approval • Railway application in accordance with EN 50155 • Railway application in accordance with EN 50124-1 • IEC 61850-3	Yes Yes Yes No No No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS)	No No No No No No No
Further Information / Internet Links	
Internet-Link	
• to website: Industry Mall • to website: Industrial communication • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support	http://www.siemens.com/industrial-controls/mall http://www.siemens.com/simatic-net http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax http://support.automation.siemens.com
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