



SCALANCE X204RNA EEC; redundant network access 2x 100 Mbit/s RJ45 ports; 2x 100 Mbit/s combo ports; LED diagnostics; error signaling contact with set pushbutton; simple power supply; network management; including electronic manual on CD-ROM, C-PLUG optional for PRP and HSR networks;.

product type designation	
product brand name	SCALANCE
product type designation	X204RNA EEC
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	2
number of combo ports / with RJ45 interface for optical plug-in transceiver	2
interfaces / other	
number of electrical connections	
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for signaling contact	3-pole terminal block
• for power supply	3-pole terminal block
design of the removable storage	
• C-PLUG	Yes
operating voltage / of the signaling contacts	
• at AC / rated value	230 V
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at AC / maximum	0.1 A
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	6 W
• supply voltage / 1 / rated value	85 ... 276 V
• consumed current / 1 / maximum	0.25 A
• type of electrical connection / 1 / for power supply	3-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	1.25 A
type of voltage / 2 / of the supply voltage	AC
• supply voltage / 2 / rated value	85 ... 276 V
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C

• during transport • note	-40 ... +70 °C A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
relative humidity • at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
width	70 mm
height	147 mm
depth	123 mm
net weight	0.78 kg
product feature / conformal coating	Yes
fastening method • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes No No No
product functions / management, configuration, engineering	
product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • port mirroring • multiport mirroring • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed	Yes Yes Yes Yes No No No No No No
protocol / is supported • Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • GMRP • DCP • LLDP • SNMP v1 • SNMP v2 • SNMP v3 • IGMP (snooping/querier)	No Yes Yes No No No No Yes No Yes Yes Yes No
identification & maintenance function • I&M0 - device-specific information • I&M1 - higher level designation/location designation	Yes Yes
product functions / diagnostics	
product function • port diagnostics • statistics Packet Size • statistics packet type • error statistics	Yes Yes Yes Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function • media redundancy protocol (MRP) with redundancy manager • ring redundancy • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby	No No No No

redundancy • High-availability Seamless Redundancy (HSR) • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling • passive listening	Yes Yes Yes No
product functions / security	
protocol / is supported • SSH	Yes
product functions / time	
product function • SICLOCK support	No
protocol / is supported • NTP • SNTP	No Yes
standards, specifications, approvals	
certificate of suitability • CE marking • cULus approval • KC approval • Regulatory Compliance Mark (RCM)	Yes Yes Yes Yes
standard • for EMC • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL	IEC 61850, IEEE 1613 EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 UL 508 E85972, CSA C22.2 no. 142-M1987
standards, specifications, approvals / other	
certificate of suitability • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEC 61850-3 • IEEE 1613 • RoHS conformity	Yes Yes No Yes Yes Yes Yes
standards, specifications, approvals / marine classification	
Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	Yes Yes Yes Yes Yes Yes Yes Yes
product functions / general	
MTBF	67.64 a
reference code • according to IEC 81346-2 • according to IEC 81346-2:2019	KF KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax

security information

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Approvals / Certificates

General Product Approval



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General Product Approval

EMV

For use in hazardous locations

Test Certificates

Marine / Shipping



[KC](#)

[FM](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

Railway



[NK / Nippon Kaiji Kyokai](#)



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