



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 HSR network;

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	
product component / connection for redundant voltage supply	Yes
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 - during transport - note	-40 ... +70 °C -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	No Yes No

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

- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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General Product Approval



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General Product Approval

EMV

For use in hazardous locations

Test Certificates

Marine / Shipping



RCM

[KC](#)

[FM](#)

[Type Test Certificates/Test Report](#)



ABS



BUREAU
VERITAS

Marine / Shipping

Railway



DNV



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PRS



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