SIEMENS

Data sheet 6GK5204-0BS00-3PA3

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	**SCALANCE X204RNA EEC**
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	4
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
signal inputs/outputs	
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	-40 ... +70 °C
● note	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	
design	compact
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	Yes
● wall mounting	No
● S7-300 rail mounting	No
● S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
● CLI	Yes
● web-based management	Yes
● MIB support	Yes
● TRAPs via email	Yes
● configuration with STEP 7	No
● port mirroring	No
● multiport mirroring	No
● with IRT / PROFINET IO switch	No
● PROFINET IO diagnosis	No
product function / switch-managed	No
protocol / is supported	
● Telnet	No
● HTTP	Yes
● HTTPS	Yes
● TFTP	No
● FTP	No
● BOOTP	No
● GMRP	No
● DCP	Yes
● LLDP	No
● SNMP v1	Yes
● SNMP v2	Yes
● SNMP v3	Yes
● IGMP (snooping/querier)	No
identification & maintenance function	
● I&M0 - device-specific information	Yes
● I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function	
● port diagnostics	Yes
● statistics Packet Size	Yes
● statistics packet type	Yes
● error statistics	Yes
product functions / redundancy	
product function	
● ring redundancy	No
● High Speed Redundancy Protocol (HRP)	No
● high speed redundancy protocol (HRP) with redundancy manager	No

● high speed redundancy protocol (HRP) with standby redundancy	No
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function	
● media redundancy protocol (MRP) with redundancy manager	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	Yes
● 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	
standard	
● for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X
● for safety / from CSA and UL	UL 508 E85972, CSA C22.2 no. 142-M1987
● for emitted interference	EN 61000-6-4:2001 (Class A)
● for interference immunity	EN 61000-6-4:2001
MTBF	67.64 a
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standard	
● for EMC	IEC 61850, IEEE 1613
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-4:2001
● C-Tick	Yes
● KC approval	Yes
● 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
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
accessories	
product extension / optional / C-PLUG	Yes
further information / internet links	

internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
● 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

security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6)

Approvals / Certificates

General Product Approval		EMC	For use in hazardous locations	Declaration of Conformity	
Manufacturer Declaration	Miscellaneous	RCM	FM	Manufacturer Declaration	EG-Konf.

Declaration of Conformity	Test Certificates	Marine / Shipping			
UKCA	Type Test Certificates/Test Report	ABS	BUREAU VERITAS	DNV	LRS

Marine / Shipping					Railway
NK / Nippon Kaiji Kyokai	PRS	RINA	DNV-GL	KR	Confirmation

Environment

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