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Data sheet 6GK5204-0BA00-2MB2

SCALANCE X204RNA; redundant network access; 4x 100 Mbit/s RJ45 ports; LED diagnostics; error-signaling contact with set push-button; redundant power supply; network management; including electronic manual on CD-ROM, C-PLUG optional for HSR networks;

product type designation	
product brand name	SCALANCE
product type designation	X204RNA
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	4
interfaces / other	
number of electrical connections	
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for signaling contact	2-pole terminal block
● for power supply	4-pole terminal block
design of the removable storage	
● C-PLUG	Yes
operating voltage / of the signaling contacts	
● at DC / rated value	24 V
operational current / of the signaling contacts	
● 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	3.5 W
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.15 A
● type of electrical connection / 1 / for power supply	4-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	2.0 A
ambient conditions	
ambient temperature	
● during operation	-40 ... +60 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights	
design	compact
width	45 mm
height	100 mm
depth	87 mm
net weight	0.23 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	Yes
● 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
● 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	
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function	
● media redundancy protocol (MRP) with redundancy manager	No
● ring redundancy	Yes
● high speed redundancy protocol (HRP) with redundancy manager	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
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● 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 60950-1 E115352, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
● ATEX	Yes
● UKEX	Yes
● IECEx	Yes
● CCC / for hazardous zone according to GB standard	Yes
● FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
● railway application in accordance with EN 50155	No
● railway application in accordance with EN 50124-1	No
● IEC 61850-3	No
● RoHS conformity	Yes
product functions / general	
MTBF	92.45 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	https://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 cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

Declaration of Conformity

Miscellaneous

General Product Approval	EMV	For use in hazardous locations			
	KC			FM	CCC-Ex

Marine / Shipping			Environment
			Confirmation

last modified: 1/28/2025