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Data sheet

6GK5212-2BB00-2AA3



- - spare part - - SCALANCE X212-2, managed IE switch, 12x 10/100 Mbps RJ45 ports, 2x 100 Mbps multimode BFOC, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, redundancy manager integrated, including electronic manual on CD-ROM, C-PLUG optional.

product type designation	
product brand name	SCALANCE
product type designation	X212-2
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	12
number of 10/100 Mbit/s RJ45 ports	
with securing collar	12
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
transmission method / of the optical interface	100BaseFX
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 	7.92 W
 supply voltage / 1 / rated value 	18 32 V
 consumed current / 1 / maximum 	0.33 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 	1.1 A / 33 V
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 /	95 %
maximum	
protection class IP	IP30
design, dimensions and weights	
width	120 mm
height	125 mm
depth	124 mm
net weight	1.2 kg
fastening method	
 35 mm top hat DIN rail mounting 	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
 S7-1500 rail mounting 	No
product features, product functions, product components / gene	ral
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	100
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
• CLI	Yes
 web-based management 	Yes
MIB support	Yes
• TRAPs via email	Yes
 configuration with STEP 7 	Yes
• port mirroring	Yes
multiport mirroring	No
with IRT / PROFINET IO switch	No
PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	В
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
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 / DHCP	
product function	
DHCP client	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
media redundancy protocol (MRP) with redundancy	Yes
manager	

 ring redundancy 	Yes
 high speed redundancy protocol (HRP) with redundancy 	Yes
manager	
 high speed redundancy protocol (HRP) with standby redundancy 	No
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
passive listening	Yes
product functions / security	
protocol / is supported	
SSH	Yes
product functions / time	165
product function	
SICLOCK support	Yes
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 61000-6-2:2001
 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
• IECEx	Yes
ULhazloc approval	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
 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
 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	51.18 a
	51.10 d
reference code	KE .
according to IEC 81346-2	KF
according to IEC 81346-2:2019	KFE
Warranty period	5 a
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
- to website: CAx-Download-Manager
- to website: Industry Online Support

security information

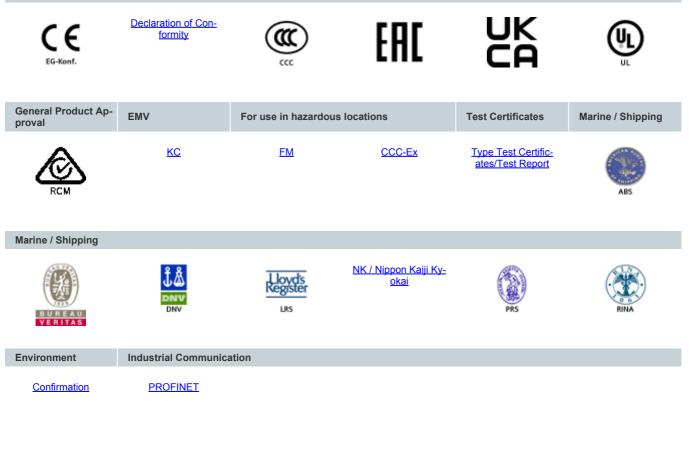
security information

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Approvals / Certificates

General Product Approval



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