SIEMENS

Data sheet

6GK5212-2BB00-2AA3



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

product type designation	SCALANCE 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 / integrated	
 with securing collar 	12
number of 100 Mbit/s ST(BFOC) ports	
for multimode	2
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
signal inputs/outputs	
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	33 /0
protection class IP	IP30
design, dimensions and weights	
design	compact
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	/ general
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, engineeri	ng
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
PROFINET conformity class	В
product function / switch-managed	Yes
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	Vee
I&M0 - device-specific information I&M1 - higher level designation designation	Yes
I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	N
port diagnostics activities Declet Size	Yes
statistics Packet Size statistics packet type	Yes
 statistics packet type error statistics 	Yes
product functions / DHCP	
product function	Vee
DHCP client	Yes
product functions / redundancy	
product function	
ring redundancy	Yes
High Speed Redundancy Protocol (HRP)	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
redundancy manager high speed redundancy protocol (HRP) with standby	No
redundancy	

protocol / is supported / Media Redundancy Protocol	Yes
(MRP) product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 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	
product function	
 SICLOCK support 	Yes
protocol / is supported	
• NTP	No
• SNTP	Yes
standards, specifications, approvals	
standard	
for emitted interference for interference	EN 61000-6-4:2001 (Class A)
 for interference immunity MTBF 	EN 61000-6-2:2001
reference code	51.18 у
according to IEC 81346-2	KF
 according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environr	
standard / for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
certificate of suitability	
 CCC / for hazardous zone according to GB standard 	Yes
	Yes
CCC / for hazardous zone according to GB standard	Yes EN 61000-6-2:2001, EN 61000-6-4:2001
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machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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