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Data sheet 6GK5324-4GG10-3ER2

SCALANCE XR324-4M EEC; Managed IE switch, 19" rack; 16x 10/100/1000 Mbit/s for RJ45 ports electrical; 4x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager; Power supply 1x 230 V AC; Ports in the front.



Figure similar

product type designation	**SCALANCE XR324-4M EEC**
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	24
number of optical ports / maximum	8
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	16; RJ45
number of 100 Mbit/s ST(BFOC) ports	
● for multimode	8
number of 100 Mbit/s SC ports	
● for multimode	8
number of 1000 Mbit/s LC ports	
● for multimode	8
● for single mode (LD)	8
interfaces / other	
number of electrical connections	
● for operator console	1
● for signaling contact	1
● for media module	4
● for power supply	1
type of electrical connection	
● for operator console	RJ11
● 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	276 V
● at DC / rated value	230 V
operational current / of the signaling contacts	
● at AC / maximum	5 A
● at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	
● supply voltage / 1 / rated value	230 V

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● power loss [W] / 1 / rated value	42 W
● supply voltage / 1 / rated value	80 ... 276 V
● consumed current / 1 / maximum	0.7 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	3.15 A / 250 V
type of voltage / 2 / of the supply voltage	DC
● power loss [W] / 2 / rated value	42 W
● consumed current / 2 / at rated supply voltage / maximum	0.7 A
● supply voltage / 2 / rated value	60 ... 250 V
● type of electrical connection / 2 / for power supply	3-pole terminal block
● product component / 2 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
● note	Extended temperature upper limit of +85° C permitted for 16 hours. Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C)
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	19" rack
number of modular height units / relating to 19-inch cabinet	1
width	483 mm
height	44 mm
depth	305 mm
net weight	6.6 kg
fastening method	When used in shipbuilding, the device must be secured in the 19" rack at four points
● 19-inch installation	Yes
● 35 mm top hat DIN rail mounting	No
● wall mounting	No
● S7-300 rail mounting	No
● 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, engineering	
product function	
● CLI	Yes
● web-based management	Yes
● MIB support	Yes
● TRAPs via email	Yes
● configuration with STEP 7	Yes
● RMON	Yes
● port mirroring	Yes
● multiport mirroring	Yes
● CoS	Yes
● PROFINET IO diagnosis	Yes
PROFINET conformity class	B
product function / switch-managed	Yes
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes

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● BOOTP	Yes
● GMRP	Yes
● DCP	Yes
● LLDP	Yes
● SNMP v1	Yes
● SNMP v2	Yes
● SNMP v3	Yes
● IGMP (snooping/querier)	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
● SysLog	Yes
product functions / VLAN	
product function	
● VLAN - port based	Yes
● VLAN - protocol-based	No
● VLAN - IP-based	No
● VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
● DHCP client	Yes
● DHCP Option 82	Yes
● DHCP Option 66	Yes
● DHCP Option 67	Yes
product functions / redundancy	
product function	
● ring redundancy	Yes
● High Speed Redundancy Protocol (HRP)	Yes
● high speed redundancy protocol (HRP) with redundancy manager	Yes
● high speed redundancy protocol (HRP) with standby redundancy	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● redundancy procedure STP	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure MSTP	Yes
● passive listening	Yes
protocol / is supported	
● STP/RSTP	Yes
● STP	Yes
● RSTP	Yes
● MSTP	Yes
● RSTP big network support	Yes
● LACP	Yes
product functions / security	
product function	
● ACL - MAC-based	Yes
● ACL - port/MAC-based	Yes
● IEEE 802.1x (radius)	Yes

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● broadcast/multicast/unicast limiter	Yes
● broadcast blocking	Yes
protocol / is supported	
● SSH	Yes
product functions / time	
product function	
● SICLOCK support	Yes
protocol / is supported	
● NTP	Yes
● SNTP	Yes
● IEEE 1588 profile default	Yes
standards, specifications, approvals	
standard	
● for safety / from CSA and UL	UL 508, CSA C22.2 No. 142-M1987
● for emitted interference	EN 61000-6-4:2007 (Class A)
● for interference immunity	EN 61000-6-2:2005
MTBF	15 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	-
● from CSA and UL	No
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
● C-Tick	Yes
● KC approval	Yes
● IEC 61850-3	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
● French marine classification society (BV)	Yes
● Korean Register of Shipping (KRS)	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: 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)

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Approvals / Certificates

General Product Approval	EMC	Declaration of Conformity			Test Certificates
UL	RCM	Manufacturer Declaration	EG-Konf.	UKCA	Type Test Certificates/Test Report

Marine / Shipping

ABS	BUREAU VERITAS	Lloyd's Register LRS	NK / Nippon Kaiji Kyokai	RINA	DNV·GL

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