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Data sheet 6GK5208-0HA00-2AS6



SCALANCE XP208, managed IE switch, 8x 10/100 Mbit/s M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, IEC 62443-4-2 certified PROFINET IO device, network management, can be operated in redundant ring, dust caps, including electronic manual on CD-ROM, C-plug optional.

product type designation	**SCALANCE XP208**
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	8
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	8
number of 10/100 Mbit/s M12-ports (D-coded) / integrated	8
interfaces / other	
number of electrical connections	
● for operator console	1
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for operator console	5 pin M12 socket (A coded)
● for signaling contact	5-pin M12 connector (B-coded)
● for power supply	4-pin M12 plug (A-coded)
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	5 W
● consumed current / 1 / at rated supply voltage / maximum	0.2 A
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.21 A
● type of electrical connection / 1 / for power supply	4-pin M12 plug (A-coded)
● product component / 1 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C

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relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP65
design, dimensions and weights	
design	compact
width	200 mm
height	200 mm
depth	49 mm
net weight	1.8 kg
material / of the enclosure	Aluminum
fastening method	ET200pro module carrier
● wall mounting	Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
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
● with IRT / PROFINET IO switch	No
● PROFINET IO diagnosis	Yes
PROFINET conformity class	B
network load class / according to PROFINET	2
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1518 byte
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● BOOTP	No
● DCP	Yes
● LLDP	Yes
● EtherNet/IP	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
● loopback diagnostics	Yes
product functions / VLAN	
product function	

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● VLAN - port based	Yes
● VLAN - protocol-based	No
● VLAN - IP-based	No
● VLAN dynamic	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	35
product functions / DHCP	
product function	
● DHCP server	Yes
● DHCP client	Yes
● DHCP Option 82	Yes
● DHCP Option 66	Yes
● DHCP Option 67	Yes
product functions / redundancy	
product function	
● of the PROFINET IO device / is supported / PROFINET system redundancy	Yes
● 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
● Media Redundancy Protocol Interconnection (MRP-I)	Yes
● of the PROFINET IO device / is supported / H-Sync forwarding	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure RSTP+	Yes
● redundancy procedure MSTP	Yes
● passive listening	Yes
product functions / security	
product function	
● RADIUS client	Yes
protocol / is supported	
● SSH	Yes
● SSL	Yes
product functions / time	
product function	
● SICLOCK support	Yes
● NTP-client	Yes
● SNTP client	Yes
protocol / is supported	
● NTP	Yes
● SNTP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	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 emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-2
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

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standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
certificate of suitability / RoHS conformity	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
● from CSA and UL	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480
certificate of suitability	
● CCC / for hazardous zone according to GB standard	Yes
● CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
standards, specifications, approvals / other	
certificate of suitability	
● C-Tick	Yes
● KC approval	Yes
● railway application in accordance with EN 50155	No
● railway application in accordance with EN 50124-1	No
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
● Polski Rejestr Statkow (PRS)	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: 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, solutions, 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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