

Data sheet

6GK5216-0HA00-2TS6

Product description

Preset for Ethernet/IP mode!

SCALANCE XP216 (EIP), managed IE switch, 12x 10/100 Mbps M12 ports, 4x 10/100/1000 Mbps M12 ports IP65, LED diagnostics, error signaling contact, Redundant power supply, Ethernet/IP, Network management, incl. Dust caps, incl. electronic Manual on CD-ROM, C-plug optional



Product type designation	SCALANCE XP216
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
• for network components or terminal equipment	16
Number of 10/100 Mbit/s M12-ports (D-coded) / Integrated	12
Number of 10/100/1000 Mbit/s M12-ports (X-coded) / Integrated	4
Interfaces / other	
Number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	

• for operator console • for signaling contact • for power supply	5 pin M12 socket (A coded) 5-pin M12 connector (B-coded) 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
Operating current / of the signaling contacts • at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage • external • external / minimum • external / maximum	24 V 19.2 V 28.8 V
Supply voltage / 1 / Rated value • Consumed current / 1 / at rated supply voltage / maximum • Power loss [W] / 1 / Rated value	0.4 A 9.6 W
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	5 A / 60 V
Consumed current / maximum	0.335 A
Power loss [W] • at DC / at 24 V	8 W

Ambient conditions

Ambient temperature • during operation • during storage • during transport	-40 ... +70 °C -40 ... +70 °C -40 ... +70 °C
Relative humidity • at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP65
Design	compact
Width	280 mm
Height	200 mm
Depth	49 mm
Net weight	2.5 kg
Material / of the enclosure	Aluminum
Mounting type	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
- web-based management
- MIB support
- TRAPs via email
- Configuration with STEP 7
- RMON
- Port mirroring
- multiport mirroring
- CoS
- with IRT / PROFINET IO switch
- PROFINET IO diagnosis

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

No

Yes

PROFINET conformity class

B

Product function / switch-managed

Yes

Telegram length / for Ethernet / maximum

1518 byte

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- FTP
- BOOTP
- DCP
- LLDP
- EtherNet/IP
- SNMP v1
- SNMP v2
- SNMP v3
- IGMP (snooping/querier)

Yes

Yes

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Identification & maintenance function

- I&M0 - device-specific information
- I&M1 – higher-level designation/location designation

Yes

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	
• VLAN - port based	Yes
• VLAN - protocol-based	No
• VLAN - IP-based	No
• VLAN dynamic	No
Number of VLANs / maximum	4094

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 (S2)	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
• 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

Standards, specifications, approvals

Standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous zone / 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
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes
Certificate of suitability / RoHS conformity	Yes

Standards, specifications, approvals / other

Certificate of suitability	
• C-Tick	Yes
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No
• KC approval	Yes

Standards, specifications, approvals / marine classification

Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (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 website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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