6GK5216-0BA00-2AC2





SCALANCE XC216 managed Layer 2 IE switch; IEC 62443-4-2 certified; 16x 10/100 Mbps RJ45 ports; 1x console port, diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

product type designation	SCALANCE XC216	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	16; RJ45	
number of 10/100 Mbit/s RJ45 ports / integrated		
 with securing collar 	16	
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 	RJ11	
 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	6.6 W	
 consumed current / 1 / at rated supply voltage / maximum 	0.275 A	
 supply voltage / 1 / rated value 	9.6 31.2 V	
consumed current / 1 / maximum	0.55 A	
 type of electrical connection / 1 / for power supply 	4-pole terminal block	
 product component / 1 / 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
relative humidity	
 at 25 °C / without condensation / during operation / 	95 %
maximum	
protection class IP	IP20
design, dimensions and weights	
design	compact
width	120 mm
height	147 mm
depth	125 mm
net weight	0.8 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	
 35 mm top hat DIN rail mounting 	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
product features, product functions, product components	/ general
cascading in the case of a redundant ring / at	50
reconfiguration time of <\~0.3\~s	
cascading in cases of star topology	any (depending only on signal propagation time)
product function / QoS according to DSCP	Yes
product feature	
 Cut Through switching method 	No
Store & Forward switching method	Yes
product functions / management, configuration, engineering	ng
product function	
• CLI	Yes
 web-based management 	Yes
 MIB support 	Yes
TRAPs via email	Yes
configuration with STEP 7	Yes
• RMON	Yes
SMTP server	No
port mirroring	Yes
 multiport mirroring 	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• BOOTP	No
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
IGMP (snooping/querier)	Yes
identification & maintenance function	

1&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
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP server	Yes
DHCP server DHCP client	Yes
	Yes
DHCP Option 82 DHCP Option 66	
DHCP Option 66 DHCP Option 67	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 STP 	Yes
 redundancy procedure RSTP 	Yes
redundancy procedure RSTP+	Yes
 redundancy procedure MSTP 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
passive listening	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
 broadcast/multicast/unicast limiter 	Yes
 broadcast blocking 	Yes
protocol / is supported	

SSI Yes SSI Yes SSI Yes Product functions / time product function SICLOCK support Yes NTP-client Yes SNTP client Yes SNTP Wes SNTP Yes SN	0011	V
product functions / time product function	• SSH	Yes
product function SICLOCK support SITP client SITP client Yes SITP client Yes Protocol / is supported NTP Yes SITP client Yes Poster modification during operation Product function / configuration in RUN via CIR/H-CIR Standards, specifications, approvals IT security for industrial automation systems / according to [CIC 62443-422019 MITER Standards, specifications, approvals / CE Coefficate of suitability / CE marking Forced configuration / CE marking Forced for immunity / according to ENC-guideline Standards Forced Line frame ce emission For immunity in CEMC For ATEX / as confificate For ATEX / as confificate For ATEX / as confificate For CLUs Hazloc / as marking For CLUs Hazloc / as File Nr. For Hyas guidention in Accordance with EN 50121-4 For Hyas guidention / Brill Protocome Mark (RCM) For CLUs Hazloc / Complained Mark (RCM) For CLUS		Yes
SICLOCK support NTP client Yes NTP client Yes NTP yes NTP SNTP SNTP SNTP SNTP SNTP SNTP Yes SATP Yes Sandards, specifications, approvals If security for industrial automation systems / according to IEC 62483-4-2 2019 WITHER Taecurity for industrial automation systems / according to IEC 62483-4-2 2019 WITHER Sandards, specifications, approvals / CE certificate of subtability / CE marking roduct conformity / according to EMC-guideline standard for EMC interference emission for immunity to EMC EN 61000-6-2, EN 50121-4 Certificate of subtability / CRHS conformity Yes; 2011/85/EU Sandards, specifications, approvals / hazardous environments certificate of subtability ATEX For ATEX / as certificate for ATEX / as marking for ATEX / as certificate For IECEX / as marking for occluse Hazboc / as marking for cultuse Hazboc / as marking for cultuse Hazboc / as file Nr. For IECEX / as certificate For CULTS Hazardous zone according to GB standard For CULTS Hazboc / as marking For CULTS Hazboc / as file Nr. For IECEX / as certificate For IECEX / as certificate For IECEX / as marking For CULTS Hazboc / as file Nr. For IECEX / as certificate For IECEX / as marking For CULTS Hazboc / as file Nr. For IECEX / as certificate For IECEX / as certificate For CULTS Hazboc / as file Nr. For IECEX / as certificate For IECEX / as marking For CULTS Hazboc / as file Nr. For IECEX / as certificate For IECEX / as certific		
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further information / internet-Links

Internet-Link

• to web page: selection aid TIA 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/tia-selection-tool

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

security information

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