SIEMENS

Data sheet

6GK5216-0BA00-2AC2



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

product type designation		
product brand name	SCALANCE	
product type designation	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	
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	
 fuse protection type / 1 / at input for supply voltage 	2.5 A / 125 V	
ambient conditions		
ambient temperature		
during operation	-40 +70 °C	
 during storage 	-40 +85 °C	

relative humany 95 % exact non-information / during operation / modes IP 122 mm designdimensions and weights compact designdimensions and weights 0.0 mm designdimensions and weights 0.0 mm designdimensions and weights 0.0 km designdimensions and weights 0.0 km met weight 0.0 km net weight 0.0 km exact not phat DIA rail mounting Yes * 35 mm top hat DIA rail mounting Yes * 47.500 rail mounting Yes * 47.500 rail mounting Yes * 67.500 rain mout	during transport	-40 +85 °C
• 23° C/ whoot constantion / during operation / maximum85%protection class IP120design		
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height147 mmdepth226 mmred weight0.8 kgmaterial / of the enclosurePolycarbonate (PC-GF10) / pressure die cast aluminumfastening methodYes- S3 mm top hat DN rail mountingYes- S3 - 300 rail mounting to S5 - 200 rail'any (depending only on signal propagation time)product facture	design	compact
depih 128 mm net weight 0.8 kg net weight 0.8 kg 4.55 mm by hal DN rail mounting Yes • 435 mm by hal DN rail mounting Yes • 57.50 roll mounting Yes • 60.50 roll mounting Yes • 60.50 roll mounting any (dipending only on signal propagation time) product function / CoS according to DSCP Yes product function / Finasgement, configuration Yes • CuT through switching method No • Cut Through switching method Yes • Cut Through switching method <td< td=""><td>width</td><td>120 mm</td></td<>	width	120 mm
network 0.8 kg naterial / of the endosure Polycarbonote (PC-GF10) / pressure die cast aluminum Taskening method * • S5 mm top hu LDN rail mounting Yes • S7 300 rail mounting Yes • S7 37 300 rail mounting Yes • S7 37 300 rail mounting Yes product features, product functions, product components / general Caseading in the case of a robundant fing / at reconfiguration fing only on signal propagation time) product features F • Gut Through switching method No • Store & Forward switching method No • Gut Through switching method Yes • Gut Through switching method No • Gut Through switching method Yes • Gut Monton Yes • Gut Monton Yes • Gut Monton Yes • Mills support Yes • Monton Yes • Monton Yes • Monton Yes • Soft mirrong Yes • Soft mirrong Yes • Mont mirrong Yes <	height	147 mm
meteric/ Polyarbonate (PC-GP10) / pressure die cast aluminum fastening method - - SS min top hat DIN rail mounting Yes • ST min top hat DIN rail mounting Yes • ST And in mounting Yes • Standing in the case of a redundant mg af reconfiguration 50 research in cases of star topology any (depending only on signal propagation time) product fautures - • Cut Through swiching method No • Cut Through swiching method Yes • Cut Through swiching Yes	depth	125 mm
fastering method Yes • SS mm top hat DIN rail mounting Yes • SST and conting Yes • SST 300 rail mounting Yes • SST 4500 rail mounting Yes product features, product functions, product components / general 50 casceding in the case of a redundant fing / at reconfiguration in fing of <-0.3-8	net weight	0.8 kg
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• S7-300 rall mouning Yes • S7-1500 rall mouning Yes cascading in the case of a redundant ring / at reconfiguration mod <<-0.3's	 35 mm top hat DIN rail mounting 	Yes
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product features, product functions, product components / general 50 cascading in the case of a redundant ing / at reconfiguration in of <<-0.3/s	S7-300 rail mounting	Yes
cascading in the case of a redundant ring / at reconfiguration time of <-0.31-s	 S7-1500 rail mounting 	Yes
ime of <-0.3i-s	product features, product functions, product components / gene	eral
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product function / QoS according to DSCP Yes product function / rough switching method No • Cut Through switching method Yes product functions / management, configuration, engineering Imagement, configuration, engineering product function Yes • CLI Yes • web-based management Yes • MB support Yes • Only unation with STEP 7 Yes • RMON Yes • RMONN Yes • port minroring Yes • multiport iniroring Yes • port minroring Yes • protocol / is supported Yes • PROFINET to diagnosis Yes • PROFINET to onformity class B product function / switch-managed Yes • talegram length / for Ethernet / maximum 1632 byte protocol / is supported Yes • TTP Yes • BOOTP No • GMRP Yes • DCP Yes • Ethenket/IP Yes • SNMP V3<		
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• CLIYes• web-based managementYes• MIB supportYes• TRAPs via emailYes• Configuration with STEP 7Yes• RMONYes• RMON serverNo• out introvingYes• multiport mirroringYes• PROFINET IO diagnosisYes• PROFINET IO maximum1632 byteprotocol / is supportedYes• TelnetYes• TEINEYes• HITTPYes• HITPSYes• DCPYes• Ebernet/IPYes• Ebernet/IPYes• SINMP v1Yes• SINMP v2Yes• SINMP v3Yes• IGMO (snooping/querier)Yes• Identification & maintenance functionYes• Identification in kYes; according to IEC 61406-1:2022product function / is supported / identification linkYes; according to IEC 61406-1:2022		
• web-based managementYes• MIB supportYes• MIB supportYes• Configuration with STEP 7Yes• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• COSYes• PROFINET IO diagnosisYes• PROFINET conformity classB• product function / switch-managedYes• telegram length / for Ethernet / maximum1632 byte• TFTPYes• TFTPYes• HTTPSYes• Ethernet / maximumYes• DCOTPYes• Ethernet/maximumYes• Ethernet/maximumYes• DCOTPYes• Ethernet/maximumYes• Ethernet/maximumYes </td <td>•</td> <td>N</td>	•	N
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• multiport mirroring Yes • CoS Yes • PROFINET IO diagnosis Yes PROFINET conformity class B product function / switch-managed Yes telegram length / for Ethernet / maximum 1632 byte protocol / is supported - • Telnet Yes • HTTP Yes • HTTPS Yes • HTTPS Yes • BOOTP Yes • BOOTP Yes • DCP Yes • LLDP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • IGMP (snooping/querier) Yes identification & maintenance function Yes • I&MO - device-specific information Yes • I&MI - higher level designation/location designation Yes product function / is supported / identification link Yes; according to IEC 61406-1:2022		
• CoS Yes • PROFINET IO diagnosis Yes PROFINET conformity class B product function / switch-managed Yes telegram length / for Ethernet / maximum 1632 byte protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • BOOTP Yes • BOOTP Yes • BOCTP Yes • BOCP Yes • BOCP Yes • LLDP Yes • EtherNet/IP Yes • SNMP v1 Yes • SNMP v2 Yes • IGMP (snooping/querier) Yes • IGMP (snooping/querier) Yes • I&MM - higher level designation/location designation Yes • I&MM - higher level designation/location designation Yes • I&MM - higher level designation/location designation Yes; according to IEC 61406-1:2022		
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I&M1 - higher level designation/location designation Yes product function / is supported / identification link Yes; according to IEC 61406-1:2022 product functions / diagnostics	identification & maintenance function	
product function / is supported / identification link Yes; according to IEC 61406-1:2022 product functions / diagnostics	 I&M0 - device-specific information 	Yes
product functions / diagnostics	 I&M1 - higher level designation/location designation 	Yes
		Yes; according to IEC 61406-1:2022
	product functions / diagnostics	
product function	product function	

a part diagnostica	Yes
 port diagnostics statistics Packet Size 	Yes
statistics Packet type	Yes
error statistics	Yes
	Yes
SysLog product functions / VLAN	Tes
product function	
VLAN - port based	Yes
VLAN - potroased VLAN - protocol-based	No
VLAN - IP-based	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby	257
link)	
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) 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 DRP reduced	Yes
PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (DNA)	No
Access (RNA)	Vac
passive listening	Yes
protocol / is supported	Vac
LACP product functions / socurity	Yes
product functions / security	
product function	Vac
IEEE 802.1x (radius) broadcast/multicast/unicast limiter	Yes
broadcast/multicast/unicast limiter	
broadcast blocking protocol / is supported	Yes
protocol / is supported	Vee
• SSH	Yes
SSL product functions / time	Yes
product function	Vac
SICLOCK support	Yes
NTP-client	Yes
SNTP client	Yes
protocol / is supported NTP 	Yes
♥ IN I F	100

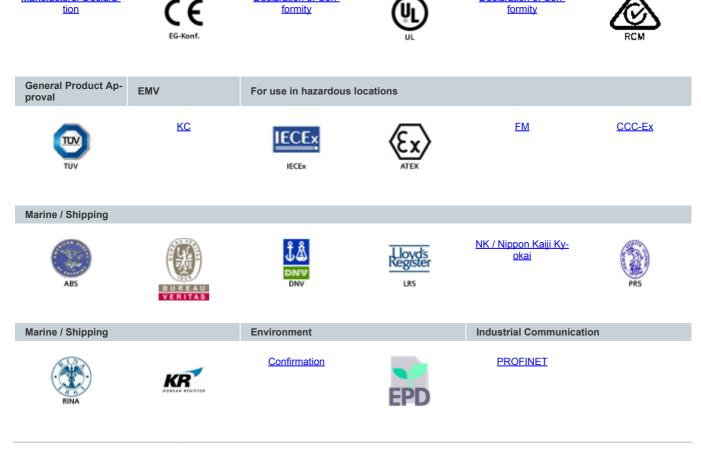
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emens provides products and solutions with industrial cybersecurity functions at support the secure operation of plants, systems, machines and networks. order to protect plants, systems, machines and networks against cyber eats, it is necessary to implement – and continuously maintain – a holistic, the-of-the-art industrial cybersecurity concept. Siemens' products and lutions constitute one element of such a concept. Customers are responsible preventing unauthorized access to their plants, systems, machines and tworks. Such systems, machines and components should only be connected an enterprise network or the internet if and to the extent such a connection is cessary and only when appropriate security measures (e.g. firewalls and/or twork segmentation) are in place. For additional information on industrial

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Declaration of Con-

Approvals / Certificates





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