## **SIEMENS**

## **Data sheet**



SCALANCE XC216-4C G (E/IP) managed Layer 2 IE switch; IEC 62443-4-2 certified; Full Gigabit; 12x 10/100/1000 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot; Default EtherNet/IP

product type designation	SCALANCE XC216-4C G (E/IP def.)
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	16; RJ45
number of 10/100/1000 Mbit/s RJ45 ports / integrated	16
number of combo ports / with RJ45 interface for optical plug-in transceiver	4; 1000 MBit/s SFPs
interfaces / for communication / plug-in	
number of electrical connections	
• for SFP	4; 1000 Mbit/s SFP plug-in transceiver or 100 Mbit/s via SCALANCE SFP991-1(LD) A
interfaces / other	
number of electrical connections	
<ul> <li>for operator console</li> </ul>	1
<ul> <li>for signaling contact</li> </ul>	1
<ul> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul> <li>for operator console</li> </ul>	RJ11
<ul> <li>for signaling contact</li> </ul>	2-pole terminal block
for power supply	3-pole terminal block, permanently installed
design of the removable storage	
• C-PLUG	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul><li>at DC / rated value</li></ul>	24 V
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
<ul><li>supply voltage / 1 / rated value</li></ul>	24 V
<ul><li>power loss [W] / 1 / rated value</li></ul>	13.2 W
<ul> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>	0.55 A
<ul><li>supply voltage / 1 / rated value</li></ul>	9.6 31.2 V
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	3-pole terminal block, permanently installed
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	3.15 A / 125 V
ambient conditions	

ambient temperature		
• during storage     • design, dimensions and weights     design dimension		
** during transport   ** during transport   ** during operation / melative humidity   ** at 26° C7 without condensation / during operation / melative humidity   ** design, dimensions and weight   ** design, dimensions and weight   ** design   ** design, dimensions and weight   ** design   **		
relative humstify variations and weights design, dimensions and weights design, dimensions and weights design, dimensions and weights design to compact with the plant of the enclosure fastering method e. So mm to phat DIN rail mounting ves variations and interest functions, product components (PC-GF10) / pressure die cast aluminum fastering method ves from mounting ves variations and interest functions, product components (general cascading in the case of a reduction function) ves variations and interest functions, product components (general cascading in the case of a reduction function) ves variations (PC-GF10) / pressure die cast aluminum fastering and interest ves variations (PC-GF10) / pressure die cast aluminum fastering and ves variations (PC-GF10) / pressure die cast aluminum fastering and ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF10) / pressure die cast aluminum fastering ves variations (PC-GF	<ul> <li>during storage</li> </ul>	-40 +85 °C
* 125 °C / without condensation / during operation / maximum protection class IP   IP20   I		-40 +85 °C
meximum protection class IP   IP20    design   compact    width   140 mm    height   150 mm    net weight   125 mm    net weight   125 mm    a 35 mm top had DIN rall mounting   Yes    537-300 rall mounting   Yes    547-350 rall mounting   Yes    547-350 rall mounting   Yes    557-300 rall mounting   Yes    567-300 rall mounting   Yes    57-300 rall mounting   Yes    57-300 rall mounting   Yes    58-78-300 rall mounting   Yes    59-78-200 rall mounting   Yes    60-20-30-50   Yes    70-00ct feature   Yes    60-78-78-78-78-78-78-78-78-78-78-78-78-78-	relative humidity	
design compact width 140 mm height 150 mm depth 152 mm net weight 125 mm net weight 125 mm ret weight		95 %
design	protection class IP	IP20
Meight	design, dimensions and weights	
Meight		compact
depth		·
depth	height	150 mm
1.2 kg		125 mm
Tastenian   Tot the enclosure   Foliage   Fo	·	
fastening method  • 36 mm top hat DIN rail mounting  • wall mounting  • 37-300 rail mounting  • 57-1500 rail mounting  product features, product functions, product components / general  cascading in the case of a redundant ring / at reconfiguration time of <1-0.31-s  cascading in cases of star topology product function / 2003 scoording to DSCP  product function / 2003 scoording to DSCP  • Cut Through switching method • Store & Forward switching method • Ves • ORIGINATION (Store & Forward switching method • Cut Through switching method • Store & Forward switching method • Ves • Store & Forward switching method • Ves • PROFINET to diagnosis • Profinent   Ves • Store & Forward switching • Ves • HTTP • HTT		
• 35 mm top hat DIN rail mounting         Yes           • wall mounting         Yes           • 57-300 rail mounting         Yes           • 57-500 rail mounting         Yes           product features, product functions, product components / reconfiguration time of ⟨-√-0.3√-8         50           cascading in the case of a redundant ring / at reconfiguration time of ⟨-√-0.3√-8         40           cascading in cases of star topology product function / QoS according to DSCP         40           product feature         √-0.1 √-1 √-1 √-1 √-1 √-1 √-1 √-1 √-1 √-1 √-		
wall mounting		Yes
• S7-300 rail mounting         Yes           product features, product functions, product components / general           cascading in the case of a redundant ring / at reconfiguration time of <1-0.30-s		
• \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	_	
product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <-(0-0)s-s cascading in cases of star topology product function / QoS according to DSCP Product fractive  • Cut Through switching method • Store & Forward switching method • Store & Forward switching method • Store & Forward switching method • Cut  • Web-based management, configuration, engineering  product function • Cut  • Web-based management • Yes • Milb support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • port mirroring • port mirroring • CoS • PROFINET IO diagnosis • PROFINET conformity class • PROFINET conformity class • network load class / acc. to PROFINET • PROWork load class / acc. to PROFINET • Teinet • TITP • HTTPS • Teinet • TITP • Teinet • TITP • Title • Titl		
cascading in the case of a redundant ring / at reconfiguration time of ≺I-O.3N-S cascading in cases of star topology any (depending only on signal propagation time)  product function / QoS according to DSCP yes  product feature		
reconfiguration time of <\(-0.3\)-s cascading in cases of star topology product function / QoS according to DSCP  product trunction / QoS according to DSCP  - Cut Through switching method - Store & Forward switching method - CLI - Wes - CLI - Web-based management - Yes - MIB support - TRAPs via email - configuration with STEP 7 - RMCN - SMTP server - No - SMTP server - No - SMTP server - No - SMTP server - POOT mirroring - Yes - PROFINET tol diagnosis - Yes - PROFINET tol diagnosis - PROFINET colorative class - Section PROFINET - product function / switch-managed - telegram length / for Ethernet / maximum - TRAPs - TETP - HTTP - Yes - TETP - BOOTP - No - GMRP - OCP - GMRP - DCP - LEhernet/IP - SNMP v1 - SNMP v2 - SNMP v3 - IGMP (snooping/querier) - Yes - IGMP (snooping/querier)		
cascading in cases of star topology product function / QoS according to DSCP  product feature  Cut Through switching method Store & Forward switching method  CLI  Wes  Product functions / management, configuration, engineering  product functions / management  CLI  Wes  Web-based management  Yes  MIB support  TRAPs via email  Configuration with STEP 7  RMON  SMTP server  PROFINET IO diagnosis  PROFINET IO diagnosis  PROFINET IO forformity class  network load class / acc. to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  Protocol / is supported  Telnet  HTTP  BOOTP  BOOTP  BOMRP  CRAMP  SMMP v3  SMMP v4  SMMP v3  SMMP v4  SMMP v3  SMMP v4  S		50
product function / QoS according to DSCP product feature  • Cut Through switching method • Store & Forward switching method • Store & Forward switching method • Ctl • Ctl • web-based management • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • cut mirroring • multiport mirroring • multiport mirroring • PROFINET IO diagnosis • PROFINET IO diagnosis • PROFINET conformity class network load class / acc. to PROFINET  product function / switch-managed • telegram length / for Ethernet / maximum  protocol / is supported • Telnet • HTTP • HTTP • HTTP • BOOTP • GMRP • DCP • LLLDP • EtherNet/IP • SNMP v2 • SNMP v3 • IGMP (snooping/querier)  Product function / government • Yes • SNMP v2 • SNMP v2 • SNMP v2 • SNMP v3 • IGMP (snooping/querier)		any (depending only on signal propagation time)
Product feature   Cut Through switching method   Store & Forward switching method   Yes		
Cut Through switching method Store & Forward switching method Tyes  Product functions / management, configuration, engineering  Froduct function CLI Wes Web-based management MIB support TRAPs via email Configuration with STEP 7 RMON SMTP server Port mirroring Multiport mirroring Meson PROFINET IO diagnosis PROFINET conformity class Retwork load class / acc. to PROFINET  Fredhet HTTP Fredhet HTTP Fredhet HTTP Ses FROTP  GMRP GMRP SMMP v1 SMMP v2 SNMP v2 SNMP v3 IGMNP v6 IGMNP v3 IGMNP v3 IGMNP v3 IGMNP v3 IGMNP v3 IGMNP v3 IGMNP v4 IGMNP		- 100
● Store & Forward switching method         Yes           product function         Yes           ● 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           • CoS         Yes           • PROFINET IO diagnosis         Yes           PROFINET conformity class         B           network load class / acc. to PROFINET         3           product function / switch-managed         Yes           telegram length / for Ethernet / maximum         10240 byte           protocol / is supported         Yes           • TFTP         Yes           • HTTPS         Yes           • TFTP         Yes           • BOOTP         No           • GMRP         Yes           • LLDP         Yes           • EtherNet/IP         Yes           • SNMP v1         Yes           • SNMP v2         Yes           • SNMP v3         Yes           • IGMP (snooping/queri	•	No
product function         Yes           CLI         Yes           ewb-based management         Yes           MIB support         Yes           TRAPs via email         Yes           configuration with STEP 7         Yes           RMON         Yes           sMTP server         No           port mirroring         Yes           e multiport mirroring         Yes           e PROFINET ID diagnosis         Yes           PROFINET conformity class         B           network load class / acc. to PROFINET         3           product function / switch-managed         Yes           telegram length / for Ethernet / maximum         10240 byte           protocol / is supported         Yes           + TTP         Yes           HTTPS         Yes           HTTPS         Yes           BOOTP         No           GMRP         Yes           DCP         Yes           ELIDP         Yes           ELIDP         Yes           ELIDP         Yes           ELIDP (SMP Y2         Yes           SMMP Y1         Yes           SMMP Y2         Yes           SMMP (SM		
Product function   CLI		
CLI     web-based management     Yes     web-based management     Yes     MIB support     TRAPs via email     configuration with STEP 7     RMON     SMTP server     PROFINET IO diagnosis     PROFINET Conformity class     PROFINET Conformity class     Benetwork load class / acc. to PROFINET     product function / switch-managed     telegram length / for Ethernet / maximum     Telnet     HTTP     Yes     HTTPS     Yes     TFTP     No     GMRP     ORD     SMRP     SMOTP     SMP Yes     SMP Yes     SNMP Y1     SNMP Y2     SNMP Y3     IGMP     SONG     INSING PS     Yes     SNMP Y3     IGMP     Yes     IGMP     SNMP Y3     IGMP     IGMP     SNMP Y3     IGMP     IGMP (snooping/querier)     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP (snooping/querier)     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP     IGMP (snooping/querier)     IGMP		
<ul> <li>web-based management</li> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>SMTP server</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>PROFINET conformity class</li> <li>B</li> <li>network load class / acc. to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>Telnet</li> <li>Telnet</li> <li>Telnet</li> <li>HTTPS</li> <li>HTTPS</li> <li>BOOTP</li> <li>BOOTP</li> <li>BOOTP</li> <li>GMRP</li> <li>GMRP</li> <li>EtherNet/IP</li> <li>EtherNet/IP</li> <li>SNMP V2</li> <li>SNMP V2</li> <li>SNMP V3</li> <li>IGMP (snooping/querier)</li> </ul>	·	Vas
MIB support		
<ul> <li>configuration with STEP 7</li> <li>RMON</li> <li>SMTP server</li> <li>No</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>Yes</li> <li>PROFINET conformity class</li> <li>B</li> <li>network load class / acc. to PROFINET</li> <li>3</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>10240 byte</li> <li>Telnet</li> <li>HTTP</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>FFFP</li> <li>BOOTP</li> <li>GMRP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>Ethernet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> </ul>		
<ul> <li>RMON</li> <li>SMTP server</li> <li>No</li> <li>port mirroring</li> <li>res</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>PROFINET conformity class</li> <li>network load class / acc. to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>10240 byte</li> <li>protocol / is supported</li> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>FFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>GMRP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> </ul>		
• SMTP server         No           • port mirroring         Yes           • multiport mirroring         Yes           • CoS         Yes           • PROFINET IO diagnosis         Yes           PROFINET conformity class         B           network load class / acc. to PROFINET         3           product function / switch-managed         Yes           telegram length / for Ethernet / maximum         10240 byte           protocol / is supported         Yes           • 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		
<ul> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>PROFINET conformity class</li> <li>network load class / acc. to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>10240 byte</li> <li>protocol / is supported</li> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>BOOTP</li> <li>GMRP</li> <li>OCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> </ul>		
● PROFINET IO diagnosis         Yes           PROFINET conformity class         B           network load class / acc. to PROFINET         3           product function / switch-managed         Yes           telegram length / for Ethernet / maximum         10240 byte           protocol / is supported         Yes           • 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		
PROFINET conformity class  network load class / acc. to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • Telnet  • HTTP  • HTTPS  • HTTPS  • TFTP  • BOOTP  • BOOTP  • DCP  • LLDP  • EtherNet/IP  • SNMP v1  • SNMP v2  • SNMP v3  • IGMP (snooping/querier)  B  10240 byte  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Y		
network load class / acc. to PROFINET         3           product function / switch-managed         Yes           telegram length / for Ethernet / maximum         10240 byte           protocol / is supported         Yes           • 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		
product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • HTTP  • HTTPS  • HTTPS  • BOOTP  • GMRP  • DCP  • LLDP  • EtherNet/IP  • SNMP v1  • SNMP v2  • SNMP v3  • IGMP (snooping/querier)  Yes  10240 byte  10240 by		
telegram length / for Ethernet / maximum  protocol / is supported		
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		
<ul> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		TUZ4U DYTE
<ul> <li>HTTP</li> <li>HTTPS</li> <li>Yes</li> <li>TFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		V
<ul> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> </ul>		
<ul> <li>TFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> </ul>		
<ul> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>No</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Yes</li> </ul>		Yes
<ul><li>SNMP v3</li><li>IGMP (snooping/querier)</li><li>Yes</li><li>Yes</li></ul>		
• IGMP (snooping/querier) Yes		Yes
	• SNMP v3	Yes
identification & maintenance function	IGMP (snooping/querier)	Yes
	identification & maintenance function	

10110	v.
I&M0 - device-specific information	Yes
I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	V
• port diagnostics	Yes
statistics Packet Size	Yes
statistics packet type	Yes
error statistics     Syclog	Yes
SysLog     product functions / VLAN	Yes
product function	Yes
<ul><li>VLAN - port based</li><li>VLAN - protocol-based</li></ul>	No
VLAN - Protocol-based      VLAN - IP-based	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP;	35
standby link)	
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP server	Yes
DHCP client	Yes
<ul> <li>DHCP Option 82</li> </ul>	Yes
<ul> <li>DHCP Option 66</li> </ul>	Yes
<ul> <li>DHCP Option 67</li> </ul>	Yes
product functions / redundancy	
product function	
<ul> <li>of the PROFINET IO device / is supported / PROFINET system redundancy</li> </ul>	Yes
<ul> <li>ring redundancy</li> </ul>	Yes
<ul> <li>High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	Yes
<ul> <li>Media Redundancy Protocol Interconnection (MRP-I)</li> </ul>	Yes
<ul> <li>of the PROFINET IO device / is supported / H-Sync forwarding</li> </ul>	Yes
redundancy procedure STP	Yes
redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
redundancy procedure MSTP	Yes
<ul> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	Yes
<ul> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	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	

• SSH	Yes	
• SSL	Yes	
product functions / time		
product function		
<ul> <li>SICLOCK support</li> </ul>	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		
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes	
MTBF	46 y	
reference code		
• acc. to IEC 81346-2	KF	
<ul> <li>according to IEC 81346-2:2019</li> </ul>	KFE	
standards, specifications, approvals / CE		
certificate of suitability / CE marking	Yes	
product conformity / according to EMC-guideline	2014/30/EU	
standard		
<ul> <li>for EMC interference emission</li> </ul>	EN 61000-6-4, EN 50121-15	
for immunity to EMC	EN 61000-6-2, EN 50121-4	
certificate of suitability / RoHS conformity	Yes; 2011/65/EU	
standards, specifications, approvals / hazardous environments		
certificate of suitability		
<ul> <li>CCC / for hazardous zone according to GB standard</li> </ul>	Yes	
accessories		
product extension / optional / C-PLUG	Yes	
further information / internet-Links		
Internet-Link		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>		

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