



Figure similar

SCALANCE XC206-2SFP G (E/IP) manageable Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 ports; 2x 1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall; redundancy functions; office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-PLUG slot; default EtherNet/IP. IEEE 1588v2 PTP

product type designation		SCALANCE XC206-2SFP G (E/IP def.)
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum		6
number of optical ports / maximum		2
interfaces / for communication / integrated		
number of electrical connections		6; RJ45
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>		
number of 10/100/1000 Mbit/s RJ45 ports / integrated		6
<ul style="list-style-type: none"> <li>with securing collar</li> </ul>		
interfaces / for communication / plug-in		
number of electrical connections		2; 1000 Mbit/s SFP plug-in transceiver or 100 Mbit/s via SCALANCE SFP991-1(LD) A
<ul style="list-style-type: none"> <li>for SFP</li> </ul>		
interfaces / other		
number of electrical connections		1
<ul style="list-style-type: none"> <li>for operator console</li> </ul>		
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>		1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>		1
type of electrical connection		RJ11
<ul style="list-style-type: none"> <li>for operator console</li> </ul>		
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>		2-pole terminal block
<ul style="list-style-type: none"> <li>for power supply</li> </ul>		4-pole terminal block
design of the removable storage		
<ul style="list-style-type: none"> <li>C-PLUG</li> </ul>		Yes
signal inputs/outputs		
operating voltage / of the signaling contacts		24 V
<ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>		
operational current / of the signaling contacts		0.1 A
<ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>		
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply		Yes
type of voltage / 1 / of the supply voltage		DC
<ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>		24 V
<ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>		6 W
<ul style="list-style-type: none"> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>		0.25 A
<ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>		9.6 ... 31.2 V
<ul style="list-style-type: none"> <li>consumed current / 1 / maximum</li> </ul>		0.5 A

<ul style="list-style-type: none"> <li>• type of electrical connection / 1 / for power supply</li> <li>• product component / 1 / fusing at power supply input</li> <li>• fuse protection type / 1 / at input for supply voltage</li> </ul>	4-pole terminal block Yes 2.5 A / 125 V
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C
relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.52 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	
<ul style="list-style-type: none"> <li>• 35 mm top hat DIN rail mounting</li> <li>• wall mounting</li> <li>• S7-300 rail mounting</li> <li>• S7-1500 rail mounting</li> </ul>	Yes Yes Yes Yes
<b>product features, product functions, product components / general</b>	
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 function / QoS according to DSCP	Yes
product feature	
<ul style="list-style-type: none"> <li>• Cut Through switching method</li> <li>• Store &amp; Forward switching method</li> </ul>	No Yes
<b>product functions / management, configuration, engineering</b>	
product function	
<ul style="list-style-type: none"> <li>• CLI</li> <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> </ul>	Yes Yes Yes Yes Yes No Yes Yes Yes Yes
PROFINET conformity class	B
network load class / according to PROFINET	3
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported	
<ul style="list-style-type: none"> <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> </ul>	Yes Yes Yes Yes No Yes Yes Yes Yes Yes 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
<b>product functions / diagnostics</b>	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes
<b>product functions / VLAN</b>	
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
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
protocol / is supported / GVRP	Yes
<b>product functions / DHCP</b>	
product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
<b>product functions / redundancy</b>	
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
<b>product functions / security</b>	
product function	
• IEEE 802.1x (radius)	Yes
• broadcast/multicast/unicast limiter	Yes
• broadcast blocking	Yes
protocol / is supported	

• SSH	Yes
• SSL	Yes
<b>product functions / time</b>	
product function	
• SICLOCK support	Yes
• NTP-client	Yes
• SNTP client	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
• IEEE 1588 profile default	Yes
<b>system modification during operation</b>	
product function / configuration in RUN via CiR/H-CiR	Yes
<b>standards, specifications, approvals</b>	
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	55 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
• for EMC interference emission	EN 61000-6-4, EN 50121-7
• for immunity to EMC	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
• ATEX	Yes; EN 60079-0, EN 60079-15
• for ATEX / as marking	II 3 G Ex nA II T4 Gc
• for ATEX / as certificate	KEMA 07ATEX0145 X
• IECEx	Yes; IEC 60079-0, IEC 60079-15
• for IECEx / as marking	Ex nA II T4 Gc
• for IECEx / as certificate	IECEx DEK 14.0025X
• CCC / for hazardous zone according to GB standard	Yes
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
• for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
• FM registration	Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004
• for FM / as marking	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
• for FM / as certificate	FM16US0205X
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
• railway application in accordance with EN 50121-4	Yes
• Regulatory Compliance Mark (RCM)	Yes
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)
• for UL 60950-1 / as File Nr.	E115352 (NWGQ, NWGQ7)
• EAC approval	Yes
<b>accessories</b>	
product extension / optional / C-PLUG	Yes
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
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## security information

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