SIEMENS

Data sheet

6GK5206-2RS00-5FC2



SCALANCE XC206-2G PoE EEC Manage- able Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 54 V DC infeed; 240 W PoE power; can be distributed among all PoE ports; 1 x console port; diagnostics LED, redundant power supply; Temp. range -40 °C to +60 °C; mounting DIN rail/S7 mounting rail/wall; redundancy functions; Office Features (RSTP, VLAN,..); Painted printed circuit boards; PROFINET device; Ethernet/(*)

transfer rate 10 Mbit/s. 100 Mbit/s. 100 Mbit/s. 10 Gbit/s interfaces. flor communication / maximum configuration for modular devices number of electrical ports / maximum 6 number of electrical ports / maximum 6 number of electrical ports / maximum 8 interfaces / for communication / integrated 6 number of electrical connections 6 if on rebork components or terminal equipment. 6 if on rebork components or terminal equipment. 6 with securing colar 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at (60 W) with securing colar / with PoE 6 number of electrical connections 2 if for for communication / plug-in 7 number of electrical connections 2 if for operator console 1 if or signaling contact 1 if or operator console 1 if or signaling contact 2 if or operator console 1 if or signaling contact 2 if or operator console 1 if or operator console 1	product type designation	SCALANCE XC206-2G PoE EEC			
Interfaces / for communication / maximum configuration for modular devices number of electrical ports / maximum 6 number of electrical ports / miximum 6 number of polical ports / miximum 2 Interfaces / for communication / integrated 2 number of electrical connections 6; RI45 number of 10/100/1000 Mbit/s RJ45 ports / integrated 4; PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at (80 W) • with securing collar / with PoE 6 number of electrical connections 6 • for SFP 2 Interfaces / for communication / plug-in 1 number of electrical connections 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991- Interfaces / other 1 number of electrical connections 1 • for signaling contact 1 • for signaling contact 1 • for operator console RJ11 • for operator console RJ11 • for operator console Pole terminal block • for operator console RJ11	transfer rate				
number of electrical ports / with PoE / maximum 6 number of opical ports / with PoE / maximum 2 interfaces / for communication / integrated 2 number of opical ports / maximum 6 number of opical ports / maximum 2 interfaces / for communication / integrated 6 number of opications 6 interfaces / for network components or terminal equipment 6 with securing collar 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at	transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s			
number of electrical ports / with PoE / maximum 6 number of optical ports / maximum 2 interfaces / for communication / integrated 6 number of olectrical connections 6; RJ45 number of 10/100/1000 Mbits RJ45 ports / integrated 6; RJ45 • with securing collar 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) • with securing collar / with PoE 6 number of electrical connections 6 • for SFP 2 interfaces / for communication / plug-in 7 number of electrical connections 2; SFPs with 1000 Mbps or 10,000 Mbps with SFP991-1(LD) A possible interfaces / for communication / plug-in 7 number of electrical connections 1 • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other 1 number of electrical connections 1 • for operator console 1 • for operator console 1 • for operator console RJ11 • for oper supply	interfaces / for communication / maximum configuration for mo	odular devices			
number of optical ports / maximum 2 interfaces / for communication / integrated number of electrical connections • for network components or terminal equipment number of 10/100/1000 Mbit/s RJ45 ports / integrated • with securing collar • with securing collar • with securing collar / with PoE 6 number of electrical connections • for SFP 2 interfaces / for communication / plug-in number of electrical connections • for SFP 0 for server a for SFP 1 number of electrical connections • for SFP+ number of electrical connections • for operator console 1 or operator console • for operator console • for operator console • for operator console • for power supply 4-pole terminal block deign of the removable storage • c-PLUG signal inputs/outputs operation yoltage / of the signaling contacts • at DC / rated value operation inprover loss	number of electrical ports / maximum	6			
Interfaces / for communication / integrated number of electrical connections • for network components or terminal equipment • with securing collar • with securing collar • with securing collar / with PoE • with securing collar / with PoE • for SFP 2 Interfaces / for communication / plug-in number of electrical connections • for SFP+ 1 number of electrical connections • for spP+ 2 Interfaces / for communication / plug-in number of electrical connections • for signaling contact 1 interfaces / other number of electrical connections • for signaling contact 1 • for signaling contact 1 • for signaling contact 2 • for operator console • for signaling contact • for operator console • for operator console • or signaling contact • for operator console • or signaling contact • or signaling contact	number of electrical ports / with PoE / maximum	6			
number of electrical connections 6; RJ45 number of 10/100/1000 Mbit/s RJ45 ports / integrated 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) • with securing collar / with PoE 6 number of electrical connections 6 • for SFP 2 interfaces / for communication / plug-in 1000 Mbits passible; 100 Mbps with SFP991-1(LD) A possible number of electrical connections 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other 1 number of electrical connections 1 • for operator console 1 • for operator console RJ11 • for pomer supply 4-pole terminal block design of the removable storage • c-PLUG • at DC	number of optical ports / maximum	2			
• for network components or terminal equipment 6; RJ45 number of 10/100/1000 Mbit/s RJ45 ports / integrated 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) • with securing collar 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) • with securing collar / with PoE 6 number of electrical connections 2 • for SFP 2 number of electrical connections 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible number of electrical connections 1 • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other 1 number of electrical connections 1 • for signaling contact 1 • for signaling contact 2-pole terminal block • for signaling contact 2-pole terminal block • for operator console RJ11 • for signaling contact 2-pole terminal block • for operator domage - • C-PLUG Yes signal inputs/outputs 54 V operational current / of the signaling contacts 54 V • at DC / raxithum	interfaces / for communication / integrated				
number of 10/100/1000 Mbit/s RJ45 ports / integrated 4 • with securing collar 4 • with securing collar 802.3bt (60 W) • with securing collar / with PoE 6 number of electrical connections 2 • or SFP 2 Interfaces / for communication / plug-in number of electrical connections • for SFP+ 2: Interfaces / of communication / plug-in number of electrical connections • for SFP+ 2: SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible Interfaces / other 1 number of electrical connections 1 • for operator console 1 • for operator console 1 • for operator console RJ11 • for operator console Pole terminal block • design of the removable storage - • C-PLUG Yes signal inputs/outputs 54 V operating voltage / of the signaling contacts - • at DC / maximum 0.1 A	number of electrical connections				
• with securing collar 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) • with securing collar / with PoE 6 number of electrical connections 6 • for SFP 2 interfaces / for communication / plug-in 2 number of electrical connections 2 • for SFP 2 number of electrical connections 2 • for SFP+ 2: SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible Interfaces / other 1 number of electrical connections 1 • for operator console 1 • for signaling contact 1 • for operator console 1 • for operator console RJ11 • for operator console RJ11 • for operator console Pole terminal block • for operator console Ves signal inputs/outputs Yes operating voltage / of the signaling contacts 4-pole terminal block • at DC / rated value 54 V operational current / of the signaling contacts 0.1 A • at DC / maximum 0.1 A supply voltage, current consumption, power loss Product component / connection for redundant voltage supply yesopplied active power / of PSE / with PoE 26	 for network components or terminal equipment 	6; RJ45			
ewith securing collar / with PoE 6 number of electrical connections 6 • for SFP 2 Interfaces / for communication / plug-in 7 number of electrical connections 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible Interfaces / other 1 number of electrical connections 1 • for SFP+ 1 number of electrical connections 1 • for signaling contact 1 • for signaling contact 1 • for signaling contact 2-pole terminal block • for operator console RJ11 • for operator console RJ11 • for signaling contact 2-pole terminal block • for power supply 4-pole terminal block • efficient of the signaling contacts 4-pole terminal block • of or partor use 54 V operational current / of the signaling contacts 54 V • at DC / rated value 54 V operational current / of the signaling contacts 0.1 A supply voltage, current consumption, power loss 9 product component / connection for redundant voltage supply Yes suppled active power / of PSE / with PoE 260 W	number of 10/100/1000 Mbit/s RJ45 ports / integrated				
number of electrical connections • for SFP number of electrical connections • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other number of electrical connections • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other number of electrical connections • for operator console 1 • for operator console 1 • for signaling contact • for operator console RJ11 • for operator console • 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 54 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	• with securing collar				
• for SFP 2 interfaces / for communication / plug-in	 with securing collar / with PoE 	6			
Interfaces / for communication / plug-in number of electrical connections • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991- 1(LD) A possible interfaces / other number of electrical connections • for operator console 1 • for signaling contact 1 • for operator console • for signaling contact • for operator console • for signaling contact • operating other emovable storage • C-PLUG • operating voltage / of the signaling contacts • at DC / rated value • at DC / maximum • at DC / ma	number of electrical connections				
number of electrical connections 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other 1 number of electrical connections 1 • for operator console RJ11 • for operator console Supply • design of the removable storage Yes • c-PLUG Yes signal inputs/outputs 54 V operational current / of the signaling contacts 0.1 A supply voltage, current consumption, power loss Yes product component / connection for redundant voltage supply Yes supplied active power / of PSE / with POE 260 W <td>• for SFP</td> <td>2</td>	• for SFP	2			
• for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible interfaces / other - number of electrical connections 1 • for operator console 1 • for signaling contact 1 type of electrical connection 1 • for operator console 1 • for operator console RJ11 • for signaling contact 2-pole terminal block • for power supply 4-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 54 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 supplied active power / of PSE / with POE - • total / maximum 260 W	interfaces / for communication / plug-in				
interfaces / other number of electrical connections • for operator console 1 • for signaling contact 1 type of electrical connection • for operator console • for operator console Page of electrical connection • for operator console • for operator console • for operator console • 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 54 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 supplied active power / of PSE / with POE • total / maximum 260 W	number of electrical connections				
number of electrical connections 1 • for operator console 1 • for signaling contact 1 type of electrical connection RJ11 • for operator console RJ11 • for signaling contact 2-pole terminal block • for power supply 4-pole terminal block • for power supply 4-pole terminal block design of the removable storage Yes • C-PLUG Yes signal inputs/outputs 54 V operating voltage / of the signaling contacts 54 V • at DC / rated value 54 V operational current / of the signaling contacts 0.1 A supply voltage, current consumption, power loss Product component / connection for redundant voltage supply yes supplied active power / of PSE / with PoE 260 W	• for SFP+				
• for operator console1• for signaling contact1type of electrical connectionRJ11• for operator consoleRJ11• for signaling contact2-pole terminal block• for power supply4-pole terminal block• for power supply4-pole terminal blockdesign of the removable storageYes• C-PLUGYessignal inputs/outputs54 Voperating voltage / of the signaling contacts54 V• at DC / rated value54 Voperational current / of the signaling contacts0.1 Asupply voltage, current consumption, power lossYesproduct component / connection for redundant voltage supplyYessupplied active power / of PSE / with PoE260 W	interfaces / other				
• for signaling contact1type of electrical connectionRJ11• for operator consoleRJ11• for signaling contact2-pole terminal block• for power supply4-pole terminal blockdesign of the removable storageYes• C-PLUGYessignal inputs/outputs54 Voperating voltage / of the signaling contacts54 V• at DC / rated value54 Voperational current / of the signaling contacts0.1 Asupply voltage, current consumption, power lossYesproduct component / connection for redundant voltage supplyYessupplied active power / of PSE / with PoE260 W	number of electrical connections				
type of electrical connection RJ11 • for operator console RJ11 • for signaling contact 2-pole terminal block • for power supply 4-pole terminal block design of the removable storage	 for operator console 	1			
• 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 54 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 supplied active power / of PSE / with PoE - • total / maximum 260 W	 for signaling contact 	1			
• 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 54 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 supplied active power / of PSE / with PoE - • total / maximum 260 W	type of electrical connection				
• 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 54 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 supplied active power / of PSE / with PoE - • total / maximum 260 W	 for operator console 	RJ11			
design of the removable storage Yes signal inputs/outputs Yes operating voltage / of the signaling contacts 54 V • at DC / rated value 54 V operational current / of the signaling contacts 0.1 A supply voltage, current consumption, power loss 0.1 A product component / connection for redundant voltage supply Yes supplied active power / of PSE / with PoE 260 W	 for signaling contact 	2-pole terminal block			
	 for power supply 	4-pole terminal block			
signal inputs/outputs operating voltage / of the signaling contacts • at DC / rated value 54 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 supplied active power / of PSE / with PoE 260 W	design of the removable storage				
operating voltage / of the signaling contacts 54 V • at DC / rated value 54 V operational current / of the signaling contacts 0.1 A • at DC / maximum 0.1 A supply voltage, current consumption, power loss product component / connection for redundant voltage supply yes supplied active power / of PSE / with PoE • total / maximum 260 W	• C-PLUG	Yes			
• at DC / rated value 54 V operational current / of the signaling contacts 0.1 A • at DC / maximum 0.1 A supply voltage, current consumption, power loss yes product component / connection for redundant voltage supply Yes supplied active power / of PSE / with PoE 260 W	signal inputs/outputs				
operational current / of the signaling contacts 0.1 A • at DC / maximum 0.1 A supply voltage, current consumption, power loss product component / connection for redundant voltage supply Yes supplied active power / of PSE / with PoE 260 W	operating voltage / of the signaling contacts				
• at DC / maximum 0.1 A supply voltage, current consumption, power loss product component / connection for redundant voltage supply Yes supplied active power / of PSE / with PoE 260 W	• at DC / rated value	54 V			
supply voltage, current consumption, power loss product component / connection for redundant voltage supply supplied active power / of PSE / with PoE • total / maximum 260 W	operational current / of the signaling contacts				
product component / connection for redundant voltage supply Yes supplied active power / of PSE / with PoE 260 W	• at DC / maximum	0.1 A			
supplied active power / of PSE / with PoE • total / maximum 260 W	supply voltage, current consumption, power loss				
• total / maximum 260 W	product component / connection for redundant voltage supply	Yes			
	supplied active power / of PSE / with PoE				
type of voltage / 1 / of the supply voltage DC	• total / maximum	260 W			
	type of voltage / 1 / of the supply voltage	DC			

	F (1)/				
supply voltage / 1 / rated value	54 V				
power loss [W] / 1 / rated value	10 W				
 supply voltage / 1 / rated value 	52 57 V				
 consumed current / 1 / maximum 	5 A				
 product component / 1 / fusing at power supply input 	Yes				
 fuse protection type / 1 / at input for supply voltage 	15 A / 125 V				
ambient conditions					
ambient temperature					
during operation	-40 +60 °C				
 during storage 	-40 +85 °C				
during transport	-40 +85 °C				
• note	installation position and SFPs used during the operation have to be considered (see manual)				
installation altitude / at height above sea level / maximum	4000 m				
relative humidity					
 at 25 °C / without condensation / during operation / maximum 	95 %				
protection class IP	IP20				
design, dimensions and weights					
design	compact				
width	60 mm				
height	147 mm				
depth	125 mm				
net weight	0.54 kg				
product feature / conformal coating	Yes				
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 / gene	əral				
cascading in the case of a redundant ring / at reconfiguration	50				
time of <\~0.3\~s					
time of <\~0.3\~s cascading in cases of star topology	any (depending only on signal propagation time)				
	any (depending only on signal propagation time) Yes				
cascading in cases of star topology					
cascading in cases of star topology product function / QoS according to DSCP					
cascading in cases of star topology product function / QoS according to DSCP product feature	Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method	Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method	Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering	Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function	Yes No Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI	Yes No Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management	Yes No Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support	Yes No Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email	Yes No Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7	Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON	Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server	Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring	Yes No Yes Yes Yes Yes Yes Yes Yes No Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring	Yes No Yes Yes Yes Yes Yes Yes Yes No Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS	Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis	Yes No Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class	Yes No Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET	Yes No Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET product function / switch-managed	Yes No Yes B 3 Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET product function / switch-managed telegram length / for Ethernet / maximum	Yes No Yes B 3 Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported	Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported • Telnet	Yes No Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes				
cascading in cases of star topology product function / QoS according to DSCP product feature • Cut Through switching method • Store & Forward switching method product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported • Telnet • HTTP	Yes No Yes 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	
 I&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
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
protocol / is supported / GVRP	Yes
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) 	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 STP	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			
• 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		
system modification during operation			
product function / configuration in RUN via CiR/H-CiR	Yes		
standards, specifications, approvals			
standard			
 for emitted interference 	EN 61000-6-4:2001 (Class A)		
for interference immunity	EN 61000-6-2:2001		
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes		
MTBF	37 a		
reference code			
 according to IEC 81346-2 	KF		
 according to IEC 81346-2:2019 	KFE		
standards, specifications, approvals / CE			
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 50121-4		
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	N		
• ATEX	Yes		
for ATEX / as marking	II 3 G Ex ec IIC T4 Gc		
IECEX for IECEX / as marking	Yes		
for IECEX / as marking CCC / for hazardous zone according to GB standard	Ex ec IIC T4 Gc		
 CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as 	Yes Ex nA IIC T4 Gc		
marking			
for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4		
FM registration	Yes; FM Class 3600:2018, FM Class 3611:2021, FM Class 3810:2021, ANSI/UL 121201:2017, ANSI/UL 61010-1:2018		
• for FM / as marking	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C		
standards, specifications, approvals / other			
certificate of suitability	No.		
KC approval	Yes		
railway application in accordance with EN 50121-4	Yes		
Regulatory Compliance Mark (RCM)			
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)		
EAC approval standards, specifications, approvals / Environmental Product De	Yes		
Environmental Product Declaration	Yes		
Global Warming Potential [CO2 eq] / total	491.2 kg		
Global Warming Potential [CO2 eq] / during	52.28 kg		

global warming p accessories product extension / opti further information / inte internet link to web page: self to website: Indus to website: Indus to website: Inform to website: Inform	ernet links ection aid TIA Selection To trial communication try Mall nation and Download Cent e database Download-Manager	nd of life	438.3 kg 0.62 kg Yes http://www.siemens.com/tia http://www.siemens.com/sir https://mall.industry.siemen http://www.siemens.com/ind http://www.siemens.com/ind http://www.siemens.com/ca http://support.industry.siem	natic-net s.com dustry/infocenter om/bilddb X	
security information					
security information			support the secure operatio order to protect plants, syst it is necessary to implement the-art industrial security co- one element of such a conc- unauthorized access to their systems, machines and cor network or the internet if an only when appropriate secu- segmentation) are in place. measures that may be impli- https://www.siemens.com/in undergo continuous develop recommends that product u and that the latest product u no longer supported, and fa customer's exposure to cyb	ndustrialsecurity. Siemens' p poment to make them more signature of the second rersions are used. Use of pro- illure to apply the latest upda er threats. To stay informed udustrial Security RSS Feed	hes and networks. In s against cyber threats, n – a holistic, state-of- id solutions constitute ible for preventing and networks. Such nnected to an enterprise cition is necessary and and/or network n industrial security roducts and solutions ecure. Siemens strongly as they are available oduct versions that are ites may increase about product updates,
General Product Ap-	For use in hazardous				Declaration of Con-
proval	For use in nazardous	locations			formity
<u>Miscellaneous</u>	ATEX-Zone 2-Declara- tion	IECEX	EM	<u>CCC-Ex</u>	CE EG-Konf.
Declaration of Confor	mity	other	Environment		
EHC	UK CA	PROFINET-Certi tion	fica- 000 600		

last modified:

10/27/2023 🖸