SIEMENS

Data sheet

6GK5206-2GS00-2FC2



SCALANCE XC206-2SFP G EEC manageable Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbit/s RJ45 ports; 2x 1000 Mbit/s SFP; 1x console port; diagnostics LED; redundant power supply; with painted printed-circuit boards; NAMUR NE21-compliant; 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;

| product type designation | |
|--|------------------------------------|
| product brand name | SCALANCE |
| product type designation | XC206-2SFP G EEC |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| for network components or terminal equipment | 6; RJ45 |
| number of 10/100/1000 Mbit/s RJ45 ports | |
| with securing collar | 6 |
| interfaces / for communication / plug-in | |
| number of electrical connections | |
| • for SFP | 2 |
| 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 W |
| consumed current / 1 / at rated supply voltage / maximum | 0.25 A |
| supply voltage / 1 / rated value | 9.6 31.2 V |
| consumed current / 1 / maximum | 0.5 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 during transport | -40 +85 °C -40 +85 °C | | | |
| relative humidity | -40 +05 C | | | |
| • at 25 °C / without condensation / during operation / | 95 % | | | |
| maximum | | | | |
| protection class IP | IP20 | | | |
| design, dimensions and weights | | | | |
| design | compact | | | |
| width | 60 mm | | | |
| height | 147 mm | | | |
| depth | 125 mm | | | |
| net weight | 0.52 kg | | | |
| product feature / conformal coating | Yes | | | |
| material / of the enclosure | Polycarbonate (PC-GF10) / pressure die cast aluminum | | | |
| fastening method | | | | |
| 35 mm DIN-rail mounting | Yes | | | |
| wall mounting | Yes | | | |
| S7-300 rail mounting | Yes | | | |
| ● S7-1500 rail mounting | Yes | | | |
| product features, product functions, product components / gen | eral | | | |
| 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 | | | | |
| Cut Through switching method | No | | | |
| Store & Forward switching method | Yes | | | |
| product functions / management, configuration, engineering | | | | |
| product function | Ver | | | |
| CLI | Yes | | | |
| web-based management | Yes | | | |
| MIB support TRAPs via email | Yes | | | |
| | | | | |
| configuration with STEP 7 RMON | Yes | | | |
| SMTP server | No | | | |
| port mirroring | Yes | | | |
| · · · | | | | |
| multiport mirroring CoS | Yes | | | |
| PROFINET IO diagnosis | Yes | | | |
| switch-managed | Yes | | | |
| PROFINET conformity class | B | | | |
| network load class / according to PROFINET | 3 | | | |
| telegram length / for Ethernet / maximum | 10240 byte | | | |
| protocol / is supported | | | | |
| • Telnet | Yes | | | |
| • HTTP | Yes | | | |
| • HTTPS | Yes | | | |
| • TFTP | Yes | | | |
| • SFTP | Yes | | | |
| • BOOTP | No | | | |
| • GMRP | Yes | | | |
| • DCP | Yes | | | |
| • LLDP | Yes | | | |
| | | | | |
| • EtherNet/IP | Yes | | | |
| EtherNet/IP SNMP v1 | Yes | | | |
| | | | | |
| • SNMP v1 | Yes | | | |

| Identification & maintenance function Yes • IAM - redex specific triorentsion Yes Product functions / functions() Yes • retrot disposition Yes • etastistic product functions Yes • rund biolitics Yes product functions Yes • VLAN - rundox-hanned Yes • VLAN - protox-hanned No • VLAN - rundox-dimentor 267 runder of VLABs of ring reductations (PLRP) Yes product functions YES pro | IGMP (snooping/querier) | Yes |
|--|--|-----|
| • IAM - Idenciseparite InformationYesproduct functions / ClappositicsYesproduct functions / ClappositicsYes• end religionalityYes• ender developmentYes• ender developmentY | | |
| • MAI - higher level designation/cation designation Yes product functions Yes • ortot diagnostics Yes • ortot diagnostics Yes • etatistics product function Yes • ortot diagnostics Yes • ortot diagnostics Yes • ortot diagnostics Yes • ortot diagnostics Yes product function Yes • VAN - protochased No • VAN - protochased Yes • Molt P order Yes • VAN - Protochased Yes • Molt P order Yes • Molt P order / Molt N | | Yes |
| product functions / flagmostics Yes Ford dispusitions Ford dispusition dispusitions Ford dispusition dis | - | |
| product function • or of disposition Vis • statistics practed Size Vis • statistics practed Size Vis • entract statistics practed Size Vis • entract statistics Vis • VLAN - protocol-based No • VLAN - protocol-based No • Mark - statistics Vis • VLAN - protocol-based No • marker of VLANe / maximum 267 number of VLANe / and markem 267 product functions / DHCP 267 product functions / DHCP Vis • DHCP Option 82 Vis • Of the PROFINET Network (MRP) with redundancy Yes • India redundancy Violocol (MRP) Yes • India redundancy Violocol (MRP) with redundancy Yes • India redundancy Violocol | | |
| • on diagnostics • efailus Packet Size • efailus Packet Size • efailus Packet Size • efailus Packet Size • efailus • efailus Packet Size • efailus | | |
| statistic packet izze visitistic packet | | Yes |
| + elastistic packet type Yes • eigel.co Yes • sigl.co Yes product functions / VLAN ************************************ | | |
| | | |
| • Yes product function • VLAN - port based • VLAN - port based • VLAN - port based • VLAN - protocol-based • VLAN - protocol-based • No • number of VLAN's - dynamic / maximum 257 product function • DHCP Delinet • DHCP Option 82 • DHCP Option 82 • DHCP Option 86 • DHCP Option 87 • Product function • maxim relandmary Protocol (MRP) • maxim relandmary Protocol (MRP) • maxim relandmary protocol / HPOP Net • of the PROFINET TO device / is supported / H-Sync • night relandmary protocol (HRP) with redundancy • redundancy procodure RSTP | | |
| product functions / VLAN VLAN - port based VLAN - port based VLAN - protocol-based VLAN - protocol-based VLCP Option 82 Ves Product function | | |
| product function VLAN - potocol based VLAN - potocol based No VLAN - potocol based No VLAN - Potocol based No VLAN - Bytanck / maximum 257 mumber of VLANs - dynamic / maximum 257 mumber of VLANs - dynamic / maximum 257 mother of VLANs - dynamic / maximum 257 product functions / DECP product functions / DECP Potol - DECP Option R5 Yes DECP Option R5 Yes product functions / redundancy manager of the PROFINET to device / is supported / HSN Yes of the PROFINET to device / is supported / PROFINET Yes and redundancy protocol (MRP) with redundancy redundancy protocol (MRP) with redundancy redundancy protocol (PRP) with redundancy redundancy protocol (PRP) Net to device / PROFINET Yes and the device RSTP redundancy protocol (PRP) Properation in the PRP-Review / The PROFINET to device / PROFINET redundancy protocol (PRP) Properation in the Properatif maximum / Yes redundancy | | |
| • VLAN - prot based Yes • VLAN - Probased No • VLAN - Probased No unumber of VLANs / ansimum 257 number of VLANs / ansimum 257 number of VLANs / ansimum 257 product functions / DHCP 257 product functions / DHCP 257 product functions / DHCP Yes • DHCP cleint Yes • DHCP cleint S Yes • DHCP clpin 62 Yes • DHCP clpin 63 Yes • DHCP clpin 64 Yes • DHCP clpin 65 Yes • DHCP clpin 61 Yes • DHCP clpin 62 Yes • DHCP clpin 63 Yes • DHCP clpin 64 Yes • DHCP clpin 65 Yes • DHCP clpin 61 Yes • DHCP clpin 62 Yes • DHCP clpin 63 Yes • DHCP clpin 64 Yes • DHCP clpin 65 Yes • DHCP clpin 61 Yes * ofthen PCPINET 10 device 1 is supported / HSync | | |
| • VLAN : protocol-based No • VLAN : P-based No • number of VLANs : draining ic/ maximum 257 number of VLANs : draining redundancy (HRP; MRP; standby) 257 product functions / DHCP 257 product functions / DHCP Yes • DHCP foilent Yes • DHCP foilent for for Yes • DHCP foilent for for for Yes • DHCP foilent for for for for Yes • DHCP foilent for | | Yes |
| • VLN - IP-based No number of VLANs / animum 257 number of VLANs / animy redundancy (RRP; MRP; standby ink) 257 product functions / DROP 257 product functions / DROP Yes • DROP Server Yes • DROP Option 52 Yes • DROP Option 52 Yes • DROP Option 56 Yes • DROP Option 67 Yes • DROP Option 67 Yes product functions / redundancy Yes • DROP Option 77 Yes product functions / redundancy Yes • DROP Option 78 Yes product functions / redundancy Yes • Media Redundancy protocol (MRP) with redundancy Yes • Ofthe PROFINET IO device / is supported / Hesync Yes • ofthe PROFINET IO device / is supported / Hesync Yes • ofthe PROFINET IO device / is supported / PROFINET Yes • ofthe PROFINET IO device / is supported / PROFINET Yes • high speed redundancy protocol (HRP) with standby Yes • redundancy prococolure RSTP+ Yes | | |
| number of VLANS - / atring redundancy (HRP, MRP; standby ink) 257 product functions / DHCP 257 product functions / DHCP Yes o DHCP option 82 Yes • DHCP Option 82 Yes • DHCP Option 86 Yes • DHCP Option 67 Yes • Orduct functions / indundancy Yes • Orduct functions / indundancy Yes • Orduct functions / indundancy Yes • Orduct function Yes • Indin peed redundancy protocol (HRP) with redundancy Yes • redundancy prococol | | No |
| number of VLANs / at ring redundancy (HRP; MRP; standby ink) 257 product functions / DHCP product function Yes • DHCP Option 82 Yes • DHCP Option 66 Yes • DHCP Option 67 Yes product functions / redundancy Yes product functions / redundancy Yes product functions / redundancy Yes product function Yes product function Yes product function Yes product function Yes in the PROFINET IC device / is supported / HeSync Yes of the PROFINET IC device / is supported / HeSync Yes ing redundancy Yes< | number of VLANs / maximum | 257 |
| Ink) product function DHCP Server Product function DHCP Option 82 DHCP Option 66 Yes DHCP Option 7 Protocol / is supported / Media Redundancy Protocol (MRP) protocol / is supported / Media Redundancy Protocol (MRP) Protocol / is supported / Media Redundancy Protocol (MRP) Media Redundancy Protocol (MRP) Yes Protocol / is supported / Media Redundancy (MRP-I) or of the PROFINET IO device / is supported / H-Sync forwarding of the PROFINET IO device / is supported / PROFINET ystem redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with redundancy with a set redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy protocol (PRP) Yes PR-redundancy protocol (PRP) Yes Protocol / is supported PR-redundancy Protocol (PRP) Yes PR-redundancy Protocol (PRP) Yes PR-redundancy Protocol (PRP) Yes PR-redundancy Protocol (PRP) Yes PR-redun | number of VLANs - dynamic / maximum | 257 |
| product functions / DHCP product function - 0 DHCP plient Yes 0 DHCP Option 82 Yes 0 DHCP Option 66 Yes 0 DHCP Option 67 Yes product functions / redundancy Press product functions / redundancy Yes product functions / redundancy protocol (MRP) Yes of the PROFINET IO device / is supported / I-ROPINET Yes of the PROFINET IO device / is supported / I-ROPINET Yes of the PROFINET IO device / is supported / I-ROPINET Yes of the PROFINET IO device / is supported / I-ROPINET Yes of the PROFINET IO device / is supported / PROFINET Yes of the PROFINET IO device / is supported / I-ROPINET Yes of the properture Rotationary protocol (HRP) with redundancy Yes erdundancy procedure RSTP Yes redundancy procedure RSTP Yes erdundancy procedure RSTP Yes optastic Intertion / Yes Parallel Redundancy Protocol (PRP)/peration in the PRP-network Poratistingeduridation Protocol (PRP)/Perestion in the PRP-netwo | number of VLANs / at ring redundancy (HRP; MRP; standby | 257 |
| product function Yes DHCP server Yes DHCP Option 82 Yes DHCP Option 82 Yes DHCP Option 66 Yes product functions / redundancy Yes product functions / redundancy Protocol (MRP) Yes product function Yes manager Media Redundancy Protocol (MRP-I) Yes of the PROFINET IO device / is supported / H-Sync Yes of the PROFINET IO device / is supported / H-Sync Yes of the PROFINET IO device / is supported / PROFINET Yes system redundancy Yes e of the PROFINET IO device / is supported / PROFINET Yes system redundancy Yes e ring redundancy Yes e ring redundancy Yes e redundancy protocol (HRP) with redundancy Yes e redundancy protocol (HRP) with standby Yes e redundancy procedure RSTP Yes e redundancy procedure RSTP Yes e redundancy protocol (PRP)/operation in the Yes Protocol / Resupported Yes e parallel Redundancy Protocol (PRP)/operation in the Yes protocol / for supported Yes e parallel Redundancy Protocol (PRP)/operation in the Yes protocol / for s | • | |
| • DHCP server Yes • DHCP Client Yes • DHCP Option 86 Yes • DHCP Option 67 Yes protocol / is supported / Media Redundancy Protocol (MRP) Yes protocol / is supported / Media Redundancy Protocol (MRP) Yes media redundancy protocol (MRP) with redundancy Yes • media redundancy protocol (MRP) Yes • of the PROFINET IO device / is supported / H-Sync Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • nedia Redundancy Yes • high speed redundancy protocol (HRP) with redundancy Yes • high speed redundancy protocol (HRP) with redundancy Yes • redundancy Yes • redundancy procedure RSTP Yes • parallel Redundancy Protocol (PRP)/peration in the PRP-Retwork Yes • protocol / is supported | | |
| DHCP client DHCP cplion 82 HCP Option 82 HCP Option 87 HCP Product functions / redundancy protocol /is supported / Media Redundancy Protocol (MRP) protocol /is supported / Media Redundancy Protocol (MRP) redundancy protocol (MRP) with redundancy manager Media Redundancy protocol (MRP) with redundancy redundancy Protocol (MRP) with redundancy redundancy Protocol Interconnection (MRP-i) Yes ves forwarding of the PROFINET IO device / is supported / HSP/in of the PROFINET IO device / is supported / PROFINET system redundancy redundancy redundancy redundancy redundancy protocol (HRP) with redundancy redundancy redundancy redundancy redundancy redundancy redundancy protocol (HRP) with redundancy redundancy redundancy redundancy redundancy redundancy redundancy protocol (HRP) with standby redundancy redundancy protocol (HRP) with standby redundancy protocol (PRP) with redundancy redundancy protocol (PRP) with redundancy redundancy protocol (PRP) with standby redundancy protocol (PRP) with standby redundancy protocol (PRP) with standby redundancy protocol (PRP) with redundancy redundancy protocol (PRP) with standby redundancy protocol (PRP) with standby redundancy protocol (PRP)/Redundant Network Access (RNA) passive listening rotocol (PRP)/Redundant Network Access (RNA) passive listening rotocol (PRP)/Redundant Network Access (RNA) passive listening rotocol (PRP)/Redundant Network No Access (RNA) passive listening rotocol (PRP)/Redundant Network Access (RNA) passive listening rot | • | Vac |
| DHCP Option 82 DHCP Option 82 DHCP Option 66 Yes DHCP Option 67 Yes product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) Yes product function media redundancy protocol (MRP) with redundancy manager welai redundancy protocol Interconnection (MRP-I) Yes ves to the PROFINET IO device / is supported / PROFINET yes ves of the PROFINET IO device / is supported / PROFINET yes ves india nedundancy protocol (MRP) with redundancy redundancy redundancy redundancy redundancy redundancy redundancy protocol (MRP) with standby redundancy procedure STP redundancy procedure RSTP redundancy protocol (PRP)/Redundant Network Access (RNA) passive listening reduct function ves protocol (ris supported | | |
| DHCP Option 66 Yes DHCP Option 67 Yes Product InterClency / redundancy protocol / is supported / Media Redundancy Protocol (MRP) Yes product function media Redundancy Protocol (MRP) with redundancy redundancy Protocol Interconnection (MRP-I) Yes maager Media RedUndancy Protocol Interconnection (MRP-I) Yes of the PROFINET IO device / is supported / H-Sync forwarding of the PROFINET IO device / is supported / PROFINET system redundancy protocol (HRP) with redundancy redundancy redundancy control / PROFINET system redundancy protocol (HRP) with redundancy redundancy redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy protocol (RRP) with standby redundancy protocol (RRP) With redundancy redundancy protocol (RRP) Yes redundancy protocol (PRP)/PP redundancy redundancy Protocol (PRP)/PP redu | | |
| - DHCP Option 67 Yes product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) Yes product function • media redundancy protocol (MRP) with redundancy manager · Media Redundancy protocol Interconnection (MRP-I) Yes · Media Redundancy Protocol Interconnection (MRP-I) Yes · Of the PROFINET IO device / is supported / H-Sync forwarding · of the PROFINET IO device / is supported / H-Sync forwarding · of the PROFINET IO device / is supported / PROFINET yes yes mediancy · of the PROFINET IO device / is supported / PROFINET yes devide a devide | - | |
| product functions / rodundancy Yes product function Yes product function • media redundancy protocol (MRP) with redundancy manager Yes • Media Redundancy Protocol Interconnection (MRP-I) Yes • of the PROFINET ID device / is supported / H-Sync Yes • of the PROFINET ID device / is supported / PROFINET Yes • of the PROFINET ID device / is supported / PROFINET Yes • nig redundancy Yes • high speed redundancy protocol (HRP) with redundancy Yes • high speed redundancy protocol (HRP) with redundancy Yes • high speed redundancy protocol (PRP) with standby Yes • redundancy procedure STP Yes • redundancy procedure RSTP+ Yes • redundancy procedure RSTP+ Yes • redundancy procedure RSTP+ Yes • PRP-Hetwork No • parallel Redundancy Protocol (PRP)/peeration in the PRP-relework Yes • passive listening Yes protocol / is supported Yes • LACP Yes product function / configuration in RUN via CiR/H-CiR 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 Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • ing redundancy Yes • nedundancy Yes • edundancy procedure STP Yes • edundancy procedure RSTP Yes • edundancy procedure RSTP Yes • Parallel Redundancy Protocol (PRP)/Operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network No Access (RNA) Yes • parallel Redundancy protocol (PRP)/Redundant Network No • LACP Yes <td< td=""><td>·</td><td></td></td<> | · | |
| 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 • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • of the PROFINET IO device / is supported / PROFINET Yes • ing redundancy Yes • ing redundancy protocol (HRP) with redundancy manager Yes • ligh speed redundancy protocol (HRP) with standby redundancy procedure RSTP Yes • parallel Redundancy Protocol (PRP)/genation in the PRP-network Yes • parallel Redundancy Protocol (PRP)/Redundant Network No • Access (RNA) Yes • passive listening Yes product function / configuration in RUN via CIR/H-CIR Yes product function Yes | | Vee |
| • media redundancy protocol (MRP) with redundancy manager Yes • Media Redundancy Protocol Interconnection (MRP-I) Yes • of the PROFINET IO device / is supported / PROFINET system redundancy Yes • of the PROFINET IO device / is supported / PROFINET system redundancy Yes • injn speed redundancy protocol (HRP) with redundancy manager Yes • high speed redundancy protocol (HRP) with standby redundancy Yes • redundancy procedure RSTP Yes • redundancy procedure RSTP Yes • redundancy procedure RSTP Yes • Parallel Redundancy Protocol (PRP)/speration in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) No • Access (RNA) Yes • passive listening Yes • protocol / is supported Yes • LACP Yes system modification during operation Yes product function Yes product function Yes i broadcast blocking < | | res |
| manager Media Redundancy Protocol Interconnection (MRP-I) Yes • of the PROFINET IO device / is supported / H-Sync Yes • of the PROFINET IO device / is supported / PROFINET Yes system redundancy Yes • ing redundancy Yes • high speed redundancy protocol (HRP) with redundancy Yes • high speed redundancy protocol (HRP) with standby Yes • redundancy procedure RSTP Yes • redundancy procedure RSTP Yes • redundancy procedure RSTP Yes • redundancy protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • passive listening Yes • potocol / is supported Yes • LACP Yes product function / configuration in RUN via CIR/H-CIR Yes product function Yes • RADIUS client Yes • product function Yes product functions / security Yes product function Yes • invadicast flucking Yes • invadicast flucking Yes< | - | Yes |
| • of the PROFINET IO device / is supported / H-Sync forwardingYes• of the PROFINET IO device / is supported / PROFINET system redundancyYes• inig redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancy redundancy procedure STPYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• redundancy procedure RSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• LACPYesprotocol / is supported • LACPYesproduct function / configuration in RUN via CIR/H-CIRYesproduct function / • IEEE 802.1x (radius)Yes• readurfuction / • readurfuction / supported • FADIUS clientYes• roadcast blockingYes• proadcast blockingYes• proadcast blockingYes | manager | |
| forwardingYesof the PROFINET IO device / is supported / PROFINETYessystem redundancyYeshigh speed redundancy protocol (HRP) with redundancy maragerYeshigh speed redundancy protocol (HRP) with standby redundancy procedure STPYesredundancy procedure RSTPYesredundancy procedure RSTPYesparallel Redundancy Protocol (PRP)/operation in the PRP-networkYesParallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)Noaccess (RNA)Yesprotocol / is supportedYesprotocol / is supportedYesproduct function during operationYesproduct function / configuration in RUN via CiR/H-CiRYesproduct functionYesproduct functionYesexact functionYesproduct functionYese RADIUS clientYesbroadcast blockingYesprotocol / is supportedYese broadcast blockingYesprotocol / is supportedYese broadcast blockingYesprotocol / is supportedYese broadcast blockingYese broadcast blockingYese broadcast blockingYes | | |
| system redundancy Yes high speed redundancy protocol (HRP) with redundancy Yes high speed redundancy protocol (HRP) with standby Yes redundancy procedure STP Yes redundancy procedure RSTP Yes redundancy Protocol (PRP)/Redundant Network Access (RNA) Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Protocol / is supported LACP Yes system modification during operation product function / configuration in RUN via CiR/H-CiR Yes product function / configuration in RUN via CiR/H-CiR Yes in FRADIUS client Yes - broadcast/multicast/unicast limiter Yes - broadcast/multicast/unicast limiter Yes - broadcast blocking Yes - protocol / is supported | | Yes |
| or high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancy eredundancy procedure STPYes• redundancy procedure RSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• passive listeningYes• protocol / is supported • LACPYes• product function / configuration in RUN via CIR/H-CIR Product functionYes• reduct function • IEEE 802.1x (radius)Yes• RADIUS client • broadcast/multicast/unicast limiterYes• broadcast blocking • protocol / is supportedYes• broadcast blocking • protocol / is supportedYes | | Yes |
| manager• high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• LACPYesprotocol / is supported • LACPYesproduct function in RUN via CiR/H-CiR • IEEE 802.1x (radius)Yes• IEEE 802.1x (radius)Yes• RADIUS client • broadcast/multicast/unicast limiter • broadcast blocking • protocol / is supportedYes• broadcast blocking • protocol / is supportedYes | ring redundancy | Yes |
| • high speed redundancy protocol (HRP) with standby redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• passive listeningYes• protocol / is supported • LACPYessystem modification during operationYesproduct function / configuration in RUN via CIR/H-CIR product functionYesproduct functionYesi EEE 802.1x (radius)Yes• RADIUS client • broadcast/multicast/unicast limiterYes• broadcast blocking • protocol /is supportedYes | | Yes |
| • redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• passive listeningYes• protocol / is supported • LACPYessystem modification during operationYesproduct function / configuration in RUN via CIR/H-CIRYesproduct function / configuration in RUN via CIR/H-CIRYesproduct functionYesproduct functionYesproduct functionYes• LADPYesproduct functionYesproduct functionYes• LADPYesproduct functionYes• LADPYesproduct functionYes• LADPYesproduct functionYes• LADPYes• LADPYes• LADPYesproduct functionYes• LADPYes• Droadcast/multicast/unicast limiterYes• broadcast blockingYes• broadcast blockingYes< | high speed redundancy protocol (HRP) with standby | Yes |
| • redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• passive listeningYes• protocol / is supported • LACPYessystem modification during operationYesproduct function / configuration in RUN via CIR/H-CIRYesproduct function / configuration in RUN via CIR/H-CIRYesproduct functionYesproduct functionYese RADIUS clientYes• broadcast/multicast/unicast limiterYes• broadcast blockingYesprotocol / is supportedYes | | Yes |
| redundancy procedure RSTP+ redundancy procedure MSTP redundancy Protocol (PRP)/operation in the PArallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening Yes protocol / is supported LACP Yes system modification during operation product function / configuration in RUN via CIR/H-CIR Yes product function IEEE 802.1x (radius) Yes RADIUS client Yes broadcast/multicast/unicast limiter Yes protocol / is supported | | |
| redundancy procedure MSTP Yes Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Parasive listening Yes protocol / is supported LACP Yes <u>system modification during operation product function / configuration in RUN via CiR/H-CiR Yes product function / configuration in RUN via CiR/H-CiR Yes product function IEEE 802.1x (radius) RADIUS client Yes broadcast/multicast/unicast limiter Yes broadcast blocking Yes </u> | | |
| Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Passive listening Yes protocol / is supported LACP Yes system modification during operation product function / configuration in RUN via CiR/H-CiR Yes product function IEEE 802.1x (radius) RADIUS client broadcast/multicast/unicast limiter broadcast blocking Yes | | Yes |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• passive listeningYesprotocol / is supportedYes• LACPYessystem modification during operationYesproduct function / configuration in RUN via CiR/H-CiRYesproduct function / configuration in RUN via CiR/H-CiRYesproduct function / securityYesproduct functionYesproduct functionYes• LEEE 802.1x (radius)Yes• RADIUS clientYes• broadcast/multicast/unicast limiterYes• broadcast blockingYesprotocol / is supportedYes | Parallel Redundancy Protocol (PRP)/operation in the | Yes |
| • passive listeningYesprotocol / is supported• LACPYessystem modification during operationproduct function / configuration in RUN via CIR/H-CIRYesproduct functions / securityYesproduct function• IEEE 802.1x (radius)Yes• RADIUS clientYes• broadcast/multicast/unicast limiterYes• broadcast blockingYesprotocol / is supported | Parallel Redundancy Protocol (PRP)/Redundant Network | No |
| protocol / is supported Yes • LACP Yes system modification during operation product function / configuration in RUN via CiR/H-CiR Yes product functions / security Yes product function • IEEE 802.1x (radius) Yes • RADIUS client Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes • protocol / is supported Yes | | Yes |
| • LACP Yes system modification during operation Yes product function / configuration in RUN via CiR/H-CiR Yes product functions / security Yes product function • IEEE 802.1x (radius) Yes • RADIUS client Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes | · · · · · · · · · · · · · · · · · · · | |
| product function / configuration in RUN via CiR/H-CiR Yes product functions / security product function • IEEE 802.1x (radius) • RADIUS client • broadcast/multicast/unicast limiter • broadcast blocking Yes | | Yes |
| product functions / security product function • IEEE 802.1x (radius) • RADIUS client • broadcast/multicast/unicast limiter • broadcast blocking protocol / is supported | system modification during operation | |
| product functions / security product function • IEEE 802.1x (radius) • RADIUS client • broadcast/multicast/unicast limiter • broadcast blocking protocol / is supported | product function / configuration in RUN via CiR/H-CiR | Yes |
| product function Yes • IEEE 802.1x (radius) Yes • RADIUS client Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes | product functions / security | |
| • RADIUS client Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes | product function | |
| • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes | • IEEE 802.1x (radius) | Yes |
| • broadcast blocking Yes protocol / is supported | RADIUS client | Yes |
| protocol / is supported | broadcast/multicast/unicast limiter | Yes |
| | broadcast blocking | Yes |
| • SSH 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 |
| standards, specifications, approvals | |
| certificate of suitability | |
| • CE marking | Yes |
| Regulatory Compliance Mark (RCM) | 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 |
| for safety / from CSA and UL | UL 60950-1 E115352, UL-61010-2 E85972 |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| ATEX | Yes |
| • UKEX | Yes |
| • IECEx | Yes |
| ULhazloc approval | Yes |
| CCC / for hazardous zone according to GB standard | Yes |
| FM registration | Yes |
| standards, specifications, approvals / other | |
| | |
| certificate of suitability | Yes |
| railway application in accordance with EN 50121-4 RoHS conformity | Yes |
| IT security for industrial automation systems / according to IEC | Yes |
| 62443-4-2:2019 | |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| French marine classification society (BV) | Yes |
| Chinese Classification Society (CCS) | Yes |
| • DNV GL | Yes |
| Korean Register of Shipping (KRS) | Yes |
| Lloyds Register of Shipping (LRS) | Yes |
| Polski Rejestr Statkow (PRS) | Yes |
| Royal Institution of Naval Architects (RINA) | Yes |
| standards, specifications, approvals / Environmental Product D | eclaration |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| • total | 157.5 kg |
| during manufacturing | 26.3 kg |
| during operation | 130.8 kg |
| after end of life | 0.4 kg |
| product functions / general | |
| MTBF | 55 a |
| reference code | |
| according to IEC 81346-2 | KF |
| • according to IEC 81346-2:2019 | KFE |
| Warranty period | 5a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| further information / internet links | |
| internet link | |
| to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| - to web page, selection and the objection room | <u>Internet and a second and as</u> |

• to website: Industrial communication

- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

security information

security information

https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

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Approvals / Certificates

General Product Approval

| CE EG-Konf. | Declaration of Con- formity | EHC | UK CA | (UL) III | <u>Miscellaneous</u> | | |
|---|--------------------------------|-------------------|---|---------------------|----------------------------|--|--|
| General Product App | roval | | EMV | For use in hazardou | s locations | | |
| Declaration of Con- formity | RCM | TUV | <u>KC</u> | IECEX | K ATEX | | |
| For use in hazardous | locations | Marine / Shipping | | | | | |
| EM | <u>CCC-Ex</u> | ABS | BUREAU VERITAS | | Lloyd's Register LRS | | |
| Marine / Shipping | | | | | Environment | | |
| <u>NK / Nippon Kaiji Ky-</u> <u>okai</u> | PRS | RINA | CCS (China Classifica- tion Society) | | <u>Confirmation</u> | | |
| Environment | Industrial Communic | ation | | | | | |
| EPD | PROFINET | | | | | | |
| last modified: | 1/31/2025 🖸 | | | | | | |