# 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   |                                    |
| <ul> <li>for network components or terminal equipment</li> </ul>             | 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   |                                    |
| <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              |
| <ul> <li>for power supply</li> </ul>   | 4-pole terminal block              |
| design of the removable storage  |                                    |
| • C-PLUG   | Yes                                |
| operating voltage / of the signaling contacts                                |                                    |
| <ul> <li>at DC / rated value</li> </ul>                                      | 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                                 |
| <ul> <li>supply voltage / 1 / rated value</li> </ul>                         | 24 V                               |
| <ul> <li>power loss [W] / 1 / rated value</li> </ul>                         | 6 W                                |
| <ul> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul> | 0.25 A                             |
| <ul> <li>supply voltage / 1 / rated value</li> </ul>                         | 9.6 31.2 V                         |
| <ul> <li>consumed current / 1 / maximum</li> </ul>                           | 0.5 A                              |
| <ul> <li>type of electrical connection / 1 / for power supply</li> </ul>     | 4-pole terminal block              |
| <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>   | 2.5 A/ 125 V                       |
| ambient conditions   |                                    |

| ambient temperature  |  |  |  |  |
|--|--|--|--|--|
| during operation   | -40 +70 °C   |  |  |  |
|  |  |  |  |  |
| <ul> <li>during storage</li> <li>during transport</li> </ul>                     | -40 +85 °C<br>-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   |  |  |  |  |
| <ul> <li>35 mm DIN-rail mounting</li> </ul>                                      | Yes  |  |  |  |
| wall mounting  | Yes  |  |  |  |
| <ul> <li>S7-300 rail mounting</li> </ul>   | 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  |  |  |  |  |
| <ul> <li>Cut Through switching method</li> </ul>                                 | No   |  |  |  |
| Store & Forward switching method   | Yes  |  |  |  |
| product functions / management, configuration, engineering                       |  |  |  |  |
| product function   | Ver  |  |  |  |
| CLI  | Yes  |  |  |  |
| web-based management   | Yes  |  |  |  |
| <ul> <li>MIB support</li> <li>TRAPs via email</li> </ul>                         | Yes  |  |  |  |
|  |  |  |  |  |
| <ul> <li>configuration with STEP 7</li> <li>RMON</li> </ul>                      | Yes  |  |  |  |
| SMTP server  | No   |  |  |  |
| port mirroring   | Yes  |  |  |  |
| · · ·  |  |  |  |  |
| <ul> <li>multiport mirroring</li> <li>CoS</li> </ul>                             | 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  | <ul> <li>IGMP (snooping/querier)</li> </ul>                              | 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 <ul> <li>Ford dispusitions</li> <li>Ford dispusition dispusitions</li> <li>Ford dispusition dis</li></ul>  | -  |     |
| 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           |  |     |
| <ul> <li>statistic packet izze</li> <li>visitistic packet</li></ul>  |  | 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<br>VLAN - port based<br>VLAN - port based<br>VLAN - protocol-based<br>VLAN - protocol-based<br>VLCP Option 82<br>Ves<br>Product function   |  |     |
| product function <ul> <li>VLAN - potocol based</li> <li>VLAN - potocol based</li> <li>No</li> <li>VLAN - potocol based</li> <li>No</li> <li>VLAN - Potocol based</li> <li>No</li> <li>VLAN - Bytanck / maximum</li> <li>257</li> <li>mumber of VLANs - dynamic / maximum</li> <li>257</li> <li>mumber of VLANs - dynamic / maximum</li> <li>257</li> <li>mother of VLANs - dynamic / maximum</li> <li>257</li> <li>product functions / DECP</li> <li>product functions / DECP</li> <li>Potol - DECP Option R5</li> <li>Yes</li> <li>DECP Option R5</li> <li>Yes</li> <li>product functions / redundancy</li> <li>manager</li> <li>of the PROFINET to device / is supported / HSN</li> <li>Yes</li> <li>of the PROFINET to device / is supported / PROFINET</li> <li>Yes and redundancy protocol (MRP) with redundancy</li> <li>redundancy protocol (MRP) with redundancy</li> <li>redundancy protocol (PRP) with redundancy</li> <li>redundancy protocol (PRP) Net to device / PROFINET</li> <li>Yes and the device RSTP</li> <li>redundancy protocol (PRP) Properation in the</li> <li>PRP-Review / The PROFINET to device / PROFINET</li> <li>redundancy protocol (PRP) Properation in the</li> <li>Properatif maximum / Yes</li> <li>redundancy</li></ul>   |  |     |
| • 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<br>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<br>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<br>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<br>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<br>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<br>manager     Yes       • Media Redundancy Protocol Interconnection (MRP-I)     Yes       • of the PROFINET IO device / is supported / PROFINET<br>system redundancy     Yes       • of the PROFINET IO device / is supported / PROFINET<br>system redundancy     Yes       • injn speed redundancy protocol (HRP) with redundancy<br>manager     Yes       • high speed redundancy protocol (HRP) with standby<br>redundancy     Yes       • redundancy procedure RSTP     Yes       • redundancy procedure RSTP     Yes       • redundancy procedure RSTP     Yes       • Parallel Redundancy Protocol (PRP)/speration in the<br>PRP-network     Yes       • Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)     No       • Access (RNA)     Yes       • passive listening     Yes       • protocol / is supported     Yes       • LACP     Yes <b>system modification during operation</b> Yes <b>product function</b> Yes <b>product function</b> Yes <b>i</b> 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<br>forwardingYes• of the PROFINET IO device / is supported / PROFINET<br>system redundancyYes• inig redundancyYes• high speed redundancy protocol (HRP) with redundancy<br>managerYes• high speed redundancy protocol (HRP) with standby<br>redundancy<br>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<br>PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)No• LACPYesprotocol / is supported<br>• LACPYesproduct function / configuration in RUN via CIR/H-CIRYesproduct function /<br>• IEEE 802.1x (radius)Yes• readurfuction /<br>• readurfuction / supported<br>• FADIUS clientYes• roadcast blockingYes• proadcast blockingYes• proadcast blockingYes  | manager  |     |
| forwardingYesof the PROFINET IO device / is supported / PROFINETYessystem redundancyYeshigh speed redundancy protocol (HRP) with redundancy<br>maragerYeshigh speed redundancy protocol (HRP) with standby<br>redundancy procedure STPYesredundancy procedure RSTPYesredundancy procedure RSTPYesparallel Redundancy Protocol (PRP)/operation in the<br>PRP-networkYesParallel Redundancy Protocol (PRP)/Redundant Network<br>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<br>high speed redundancy protocol (HRP) with redundancy Yes<br>high speed redundancy protocol (HRP) with standby Yes<br>redundancy procedure STP Yes<br>redundancy procedure RSTP Yes<br>redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)<br>Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)<br>Protocol / is supported<br>LACP Yes<br>system modification during operation<br>product function / configuration in RUN via CiR/H-CiR Yes<br>product function / configuration in RUN via CiR/H-CiR Yes<br>in FRADIUS client Yes<br>- broadcast/multicast/unicast limiter Yes<br>- broadcast/multicast/unicast limiter Yes<br>- broadcast blocking Yes<br>- protocol / is supported   |  | Yes |
| or high speed redundancy protocol (HRP) with redundancy<br>managerYes• high speed redundancy protocol (HRP) with standby<br>redundancy<br>eredundancy procedure STPYes• redundancy procedure RSTPYes• Parallel Redundancy Protocol (PRP)/operation in the<br>PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)No• passive listeningYes• protocol / is supported<br>• LACPYes• product function / configuration in RUN via CIR/H-CIR<br>Product functionYes• reduct function<br>• IEEE 802.1x (radius)Yes• RADIUS client<br>• broadcast/multicast/unicast limiterYes• broadcast blocking<br>• protocol / is supportedYes• broadcast blocking<br>• protocol / is supportedYes   |  | Yes |
| manager• high speed redundancy protocol (HRP) with standby<br>redundancyYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the<br>PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)No• LACPYesprotocol / is supported<br>• LACPYesproduct function in RUN via CiR/H-CiR<br>• IEEE 802.1x (radius)Yes• IEEE 802.1x (radius)Yes• RADIUS client<br>• broadcast/multicast/unicast limiter<br>• broadcast blocking<br>• protocol / is supportedYes• broadcast blocking<br>• protocol / is supportedYes   | <ul> <li>ring redundancy</li> </ul>                                      | Yes |
| • high speed redundancy protocol (HRP) with standby<br>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<br>PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)No• passive listeningYes• protocol / is supported<br>• LACPYessystem modification during operationYesproduct function / configuration in RUN via CIR/H-CIR<br>product functionYesproduct functionYesi EEE 802.1x (radius)Yes• RADIUS client<br>• broadcast/multicast/unicast limiterYes• broadcast blocking<br>• protocol /is supportedYes   |  | Yes |
| • redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the<br>PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)No• passive listeningYes• protocol / is supported<br>• 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<   | <ul> <li>high speed redundancy protocol (HRP) with standby</li> </ul>    | Yes |
| • redundancy procedure RSTPYes• redundancy procedure RSTP+Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the<br>PRP-networkYes• Parallel Redundancy Protocol (PRP)/Redundant Network<br>Access (RNA)No• passive listeningYes• protocol / is supported<br>• 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>   |  |     |
| <ul> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> <li>Passive listening</li> <li>Yes</li> <li>protocol / is supported</li> <li>LACP</li> <li>Yes</li> <li>system modification during operation</li> <li>product function / configuration in RUN via CiR/H-CiR</li> <li>Yes</li> <li>product function</li> <li>IEEE 802.1x (radius)</li> <li>RADIUS client</li> <li>broadcast/multicast/unicast limiter</li> <li>broadcast blocking</li> <li>Yes</li> </ul>  |  | Yes |
| • Parallel Redundancy Protocol (PRP)/Redundant Network<br>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   | <ul> <li>Parallel Redundancy Protocol (PRP)/Redundant Network</li> </ul> | 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<br>protocol / is supported  | RADIUS client  | Yes |
| protocol / is supported  | <ul> <li>broadcast/multicast/unicast limiter</li> </ul>                  | Yes |
|  | <ul> <li>broadcast blocking</li> </ul>                                   | 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  |
| <ul> <li>railway application in accordance with EN 50121-4</li> <li>RoHS conformity</li> </ul> | Yes  |
| IT security for industrial automation systems / according to IEC                               | Yes  |
| 62443-4-2:2019   |  |
| standards, specifications, approvals / marine classification                                   |  |
| Marine classification association  |  |
| <ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>                              | Yes  |
| <ul> <li>French marine classification society (BV)</li> </ul>                                  | Yes  |
| Chinese Classification Society (CCS)   | Yes  |
| • DNV GL   | Yes  |
| <ul> <li>Korean Register of Shipping (KRS)</li> </ul>  | Yes  |
| <ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>  | 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   |
| <ul> <li>during manufacturing</li> </ul>   | 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   |
| <ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>                              | 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<br>EG-Konf.                              | Declaration of Con-<br>formity | EHC               | UK<br>CA                                | (UL)<br>III         | <u>Miscellaneous</u>       |  |  |
|---|--------------------------------|-------------------|---|---------------------|----------------------------|--|--|
| General Product App                         | roval                          |                   | EMV                                     | For use in hazardou | s locations                |  |  |
| Declaration of Con-<br>formity              | RCM                            | TUV               | <u>KC</u>                               | IECEX               | K<br>ATEX                  |  |  |
| For use in hazardous                        | locations                      | Marine / Shipping |   |                     |                            |  |  |
| EM  | <u>CCC-Ex</u>                  | ABS               | BUREAU<br>VERITAS                       |                     | Lloyd's<br>Register<br>LRS |  |  |
| Marine / Shipping                           |                                |                   |   |                     | Environment                |  |  |
| <u>NK / Nippon Kaiji Ky-</u><br><u>okai</u> | PRS                            | RINA              | CCS (China Classifica-<br>tion Society) |                     | <u>Confirmation</u>        |  |  |
| Environment                                 | Industrial Communic            | ation             |   |                     |                            |  |  |
| EPD   | PROFINET                       |                   |   |                     |                            |  |  |
| last modified:                              | 1/31/2025 🖸                    |                   |   |                     |                            |  |  |