SIEMENS

Data sheet

6GK5204-0BA10-2BF2



SCALANCE XF204IRT, flat, Managed IE IRT switch, 4x 10/100 Mbps RJ45 ports, error signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional

| product type designation | SCALANCE XF204IRT |
|--|---|
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| for network components or terminal equipment | 4 |
| interfaces / other | • |
| number of electrical connections | |
| for signaling contact | 1 |
| for power supply | 1 |
| type of electrical connection | |
| 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 | 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 | 3.4 W |
| supply voltage / 1 / rated value | 18 32 V |
| consumed current / 1 / maximum | 0.14 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 | 1.5 A (cannot be changed by user) |
| ambient conditions | |
| ambient temperature | |
| during operation | -40 +60 °C |
| during storage | -40 +85 °C |
| during transport | -40 +85 °C |
| note | If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted |
| relative humidity | |
| \bullet at 25 $^\circ\text{C}$ / without condensation / during operation / maximum | 95 % |

| protection class IP | IP20 |
|--|---|
| design, dimensions and weights | |
| design | Flat |
| width | 75 mm |
| height | 125 mm |
| depth | 73 mm |
| | 0.25 kg |
| net weight | 0.20 Ng |
| 35 mm top hat DIN rail mounting | Yes |
| | No |
| wall mounting | No |
| S7-300 rail mounting | |
| • S7-1500 rail mounting | No |
| product features, product functions, product components / gene | |
| 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 functions / management, configuration, engineering | |
| product function | |
| • CLI | Yes |
| web-based management | Yes |
| MIB support | Yes |
| • TRAPs via email | Yes |
| configuration with STEP 7 | Yes |
| port mirroring | No |
| multiport mirroring | No |
| with IRT / PROFINET IO switch | Yes |
| PROFINET IO diagnosis | Yes |
| PROFINET conformity class | С |
| product function / switch-managed | Yes |
| protocol / is supported | |
| • Telnet | Yes |
| • HTTP | Yes |
| • HTTPS | Yes |
| • TFTP | Yes |
| • FTP | Yes |
| • BOOTP | No |
| • DCP | Yes |
| • LLDP | Yes |
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| identification & maintenance function | |
| I&M0 - device-specific information | Yes |
| I&M1 - higher level designation/location designation | Yes |
| product functions / diagnostics | |
| product function | |
| product function port diagnostics | Yes |
| statistics Packet Size | Yes |
| statistics packet type | Yes |
| error statistics | Yes |
| product functions / DHCP | |
| | |
| product function | Van |
| DHCP client | Yes |
| product functions / redundancy | |
| product function | |
| 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 |

| product Incline Yes amadge reduction protocol (MRP) with redundancy anager Yes Mickle Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes - Paralle Rodundancy Protocol (PRP)/Redundant Network Access (RNA) No - Statistic functions / security protocol / is supported Yes - For FM Yes • for FM No • for related functions, supported FN3811. Class 1. Division 2. Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4 • for related interference EN 61000-64.2001 (Class A) • for interference immunity EN 61000-64.2001 (Class A) • for interference immunity EN 61000-64.2001 (Class A) • for interference immunity / CE Fe • according to IEC 81346-2 KF | | |
|--|--|---|
| • media recluration protocol (MEP) with recluration; manager Yes • Media Recluration; Protocol for Planned Duplication (MRP0); Yes • Parallel Recluration; Protocol (PRP)/persition in the PRP-index K Yes • Parallel Recluration; Protocol (PRP)/Recluration the PRP-index K Yes • parallel Recluration; Protocol (PRP)/Recluration the PRP-index K Yes • protocol (ISRP) Protocol (PRP)/Recluration to the PRP-index K Yes protocol (ISRP) No • SICL COCK support Yes protocol (ISRP) No • Strip Yes protocol (ISRP) No • Strip Yes protocol (ISRP) No • Strip Yes protocol (ISRP) No • for Inferineme Immuny Yes • for Inferineme Immuny KF • for Inferineme Immuny Yes • for Inferineme Immuny Yes | protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| marager Media Redundancy Protocol for Planned Duplication Yes • Media Redundancy Protocol (PRP)/Redundant Network No • Paralle Ideationancy Protocol (PRP)/Redundant Network No • Cases (RNA) Yes • protocol / is supported * • SSH Yes protocol / is supported * • STP Yes standards # • for safety / form CSA and UL UL 00605-1, CSA 102, No. 0065-1 • for interference immunity EN 81000-8-2001 (Class A) • for interference immunity EN 81000-8-2001 (Class A) • for interference immunity EN 80079-0; 2006, EN 80079-15; 2005, II 3 G Ex nA II T4, KEMA 07 ATEX • formification supprovale / Bazardous anvironments Standard for hazardous azone • form CSA and UL NSN ISA 12, 12, 01, CSA 0222 No | | Ver |
| • Modia Redundancy Protocol for Planned Duplication (MRPD) Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RMA) No • parallel Redundancy Protocol (PRP)/Redundant Network Access (RMA) No • protoch is supported Yes • solid Linctions / supported Yes • protoch is supported Yes • SIGLOCK Support Yes • protoch is supported No • SIGLOCK Support Yes • for FM No • for fM FM3811: Class 1, Divison 2, Group A, B, C, D / T4, CL, 1, Zone 2, GP, IIC, T4 • for satisty / from CSA and UL UL 00550-1, CSA, C222 No. 00550-1 • for interference EN 61000-6-22001 (Glass A) • for interference innunity EN 61000-6-22001 (Glass A) • for interference innunity Yes • for interference innunity Yes • for interference innunity Yes • form CSA and UL UL 00507-1 (CSA (CSZ No. 0050-1) • eaccording Io EC 81346-2 KF • according Io EC 81346-2 KF | ••••••••••••••••••••••••••••••••••••••• | res |
| PPR-retwork No • Paralle Redundancy Protocol (PRP)/Redundant Network No • passive Isloning Yes product functions / supported • • SSH Yes product functions / supported • • SILLOCK support Yes product functions / supported Yes product functions / supported No • NTP No • SILLOCK support Yes product functions / supported No • NTP No • SIT Yes standard FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 • for inferience immunity EN 61000-6-2 2001 (Class A) • for inferience inmunity EN 61000-6-2 2001 (Class A) • for inferience inmunity EN 61000-6-2 2001 (Class A) • for oniferience inmunity KF • according to IEC 61346-2 KF • frem CSA and UL D145 X < | Media Redundancy Protocol for Planned Duplication | Yes |
| Access (RNA) page set selening product functions / security product functions / security product functions / time product functions / time product function i SIGLOCK support Pers Product function SIGLOCK support Pers Product function INTP SIGLOCK support Pers Pers Pers | | Yes |
| product functions / security product functions / time of COLCOR support • SICLOCK support • NTP • NTP • Sindards specifications, approvals standards - for FM • for FM • for safety / from CSA and UL • for interference EN 1000-6-2 MTPF * for interference • for interference • for interference • according to IEC 81346-2 • for method interference certificate of suitability / CE certificate of suitability / ReNtS conformity Yes certificate of suitability / ReNtS conformity Yes certificate of suitability • from CSA and UL ATEX • from CSA and UL ATEX | | No |
| protocol / is supported Yes sSH Yes product function ************************************ | passive listening | Yes |
| • SSH Yes product function / time • product function • • SICLOCK support Yes protocol // is supported • • NTP No • SNTP Yes standard • • for RM FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP. IIC, T4 UL 60950-1, CSA C22 2. No 60950-1 EN 61000-6-42001 (Class A) • for selfet/ from CSA and UL UL 60950-1, CSA C22 2. No 60950-1 • for remitted interference EN 61000-6-42001 (Class A) • for interference immunity EN 61000-6-2 • for interference immunity EN 61000-6-2 • for interference immunity EN 61000-6-2 • for interference code KFE • according to IEC 81346-2 KF • according to IEC 81346-2 KFE • according to IEC 81346-2 KF • according to IEC 81346-2 KF • form CSA and UL No • form CSA and UL NO179-0 • form CSA and UL NSI / SA 12 12 12 CSA C22 2 No. 213-M1987, CL 1 / Div. 2 / GP. A, B, C, D T4, CL 1 / Zone 2 / CP, IIC, T4 • entitleat of suitabilit | roduct functions / security | |
| product functions yes protocol / is supported Yes protocol / is supported No • NTP No • SICLCOCK support Yes standards, specifications, approvals standard standard for FM • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4 • for safety / from CSA and UL UL 60950-1, CSA C22 2, No. 60950-1 • for interference immunity EN 61000-64-201 (Class A) • for interference immunity EN 61000-64-201 (Class A) • for interference immunity KF • factifications, approvals / factore KF • according to EC 81346-2 KF • forn directac of suitability / CE marking Yes certificate of suitability / FoHS conformity Yes standard / for hazardous zone EN 60079-7; 2006, EN80079-15; 2005, II 3 G Ex nA II 74, KEMA 07 ATEX • from CSA and UL D 14, CL, 1 / Zone 2 / GP, IIC, T4 certificate of suitability <t< td=""><td>protocol / is supported</td><td></td></t<> | protocol / is supported | |
| product function Yes protocol / is supported NTP • NTP No • SNTP Yes standards, specifications, approvals FM36111: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 • for risefity / from CSA and UL UL 60950-1; CSA C22.2 No. 60950-1 • for interference immunity EN 61000-6-2 MTBF 80.55 a reference code KF • according to IEC 81346-2 KF • according to IEC 81346-2.2019 KFE • tertificate of suitability / CE marking Yes certificate of suitability / CE conformity Yes; EN 50581 • from CSA and UL D14, CL.1 / Zone 2 / GP, IIC, T4 Ufficitate of suitability Pes; EN 60079-0; 2006, EN60079-15; 2005, II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL D14, CL. 1 / Zone 2 / GP, IIC, T4 certificate of suitability Pes; EN 60079-0; 2006, EN60079-0; II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL D14, CL. 1 / Zone 2 / GP, IIC, T4 certificate of suitability Yes; EN 60079-0; II 3 G Ex ce IIC T4 Gc DEKR 18ATEX0025 X • actick • Gamproval Yes | • SSH | Yes |
| • SICLOCK support Yes protocol //s supported No • NTP No • NTP Yes standards, specifications, approvate standards, specifications, approvate standards, specifications, approvate FM3911: Class 1, Divison 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4 • for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1 • for interference EN 61000-64-2001 (Class A) • for interference code EN 61000-64-2001 (Class A) • excording to IEC 81346-2 KF • ecording to IEC 81346-2.2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking certificate of suitability / CE marking Yes; EN 50581 standards, specifications, approvals / Azardous environments EN 60079-0.2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL Pres; EN 60079-7; EN 60079-0; II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL Pres; EN 60079-7; EN 60079-0; II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL Pres; EN 60079-7; EN 60079-0; II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL Pres; EN 60079-7; EN 60079-0; II 3 G Ex nA II T4, KEMA 07 ATEX • from CSA and UL Pres; EN 60079-7; EN 60079-0; II 3 G Ex nA II T4, KEMA 07 ATEX • free entility Yes; EN 60079-7; EN 60079-0; II 3 G Ex nA II 74, KEMA 18ATEX0025 X <td>roduct functions / time</td> <td></td> | roduct functions / time | |
| protocol / is supported No • NTP Yes standards, specifications, approvals FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4 • for rFM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4 • for initide interference EN 61000-62 • for initiderinterine inmunity EN 61000-62 MTBF 80.58 a reference code EN 61000-62 • cording to IEC 81346-22:019 KFE • according to IEC 81346-22:019 Yes • certificate of suitability / RoHS conformity Yes • according to IEC 81346-22:019 Yes • from CSA and UL ANSI / ISA 12:12:01, CSA C22:2 No. 213-M1987, CL, 1 / Div. 2 / GP. A, B, C, D 14, CL 1 / Zone 2 / GP. IIC, T4 • from CSA and UL D 14, CL 1 / Zone 2 / GP. IIC, T4 • from CSA and UL ANSI / ISA 12:12:01, CSA C22:2 No. 213-M1987, CL, 1 / Div. 2 / GP. A, B, C, D 14, CL 1 / Zone 2 / GP. IIC, T4 • actifications, approvals / other Yes; EN 60079-7; EN 60079-7; EN 60079-0; EX ec IIC T4 Gc DEK 74, 18ATEX0025 X • IECEx Yes; IC 60079-7; EX C6 60079-7; EX ce IIC T4 Gc DEK 74, 18ATEX0025 X • IECEx< | product function | |
| NTP No SNTP Yes standard, specifications, approvals standard ior FM (for safety / from CSA and UL (logsch, CSA C22 2 No. 60950-1 (logsch, CSA C22 2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 (logsch, Specifications, approvals / other (logsch, CSA C22 No. 62368-1; Report-Nr. E85972; UL 62368-1; (GAB-1; Report-Nr. E40480 (logsch, CSA C32 No, 62368-1; Report-Nr. E85972; UL 62368-1; (GAB-1; Report-Nr. E40480 (logsch, Specifications, approvals / marine classification (logsch, Specifications, approvals / marine classification (logsch, CSA C22 No, 62368-1; Report-Nr. E85972; UL 62368-1; (GAB-1; Repo | SICLOCK support | Yes |
| SNTP Yes standards, specifications, approvals standard for FM Find CSA and UL UL 60950-1, CSA C22, 2 No. 60950-1 UL 60070-6-2 MTBF scoording to IEC 81346-2 KF ectrificate of suitability / CE certificate of suitability / RoHS conformity Yes certificate of suitability / RoHS conformity Yes standard for hazardous zone | protocol / is supported | |
| standards, specifications, approvals standard • for FM • for safety / from CSA and UL • for interference immunity MTEF reference code • according to IEC 81346-2 • according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking verificate of suitability / RoHS conformity verificate of suitability / RoHS conformity verificate of suitability / RoHS conformity verificate of suitability verificate of suitability < | NTP | No |
| standard for FM for SA for SAE for SA | • SNTP | Yes |
| • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 • for safety / from CSA and UL UL 60950-1, CSA C22 2 No. 60950-1 • for interference immunity EN 61000-64-2001 (Class A) • for interference immunity EN 61000-64-2001 (Class A) • for interference immunity EN 61000-64-2 MTBF 80-58 a • according to IEC 81346-2 KF • according to IEC 81346-2:2019 KFE standards, spoelfications, approvals / CE certificate of suitability / CeM rarking certificate of suitability / Coh S conformity Yes certificate of suitability / Foh'S conformity Yes standard / for hazardous zone EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL ANSI / ISA 12:12:01, CSA C22:2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability Yes; EN 60079-0: Ex ce IIC T4 Gc DEKRA 18ATEX0025 X • IECEx Yes; IEC 60079-0; Ex ce IIC T4 Gc DEKRA 18ATEX0025 X • IECEx Yes; IEC 60079-0; Ex ce IIC T4 Gc DEK 18:0017X standards, specifications, approvals / other EX 60079-0; Ex ce IIC T4 Gc DEK 18:0017X standards, specifications, approvals / oth | tandards, specifications, approvals | |
| • for safety / from CSA and UL • UL 60950-1, CSA C22.2 No. 60950-1 • for inited interference • For entited interference • for interference immunity • N 61000-6-4:2001 (Class A) • for interference immunity • N 61000-6-2 • MTBF • 80.58 a • reference code • according to IEC 81346-2 • KF • according to IEC 81346-2 • KF • according to IEC 81346-2 • etandards, specifications, approvals / CE • certificate of suitability / CE marking • Yes • certificate of suitability / RoHS conformity Yes [N 50581 • Standards, specifications, approvals / hazardous environments standards, specifications, approvals / hazardous environments • from CSA and UL • ATEX • from CSA and UL • ATEX • Yes • certificate of suitability • C. Trick • Criticate of suitability • C. Trick • KC approvals / other • CSA C22.2 No. 20079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEx * Yes • EN 61000-6-4:2001 • C-Trick • Yes • Ro 1000-6-4:2001 • C-Trick • Yes • Ro 1000-6-2:01; CAN/CSA-IEC 61010-2:201; Report-Nr. E85972; UL 62368-1 • CSA C22_2 No. 2:38-1; Report-Nr. E85972; UL 62368-1 • CSA C22_2 No. 2:38-1; Report-Nr. E85972; UL 62368-1 • CA | standard | |
| • for emitted interference EN 61000-6-2 • for interference immunity EN 61000-6-2 MTBF 80.56 a reference code - • according to IEC 81346-2 KF • according to IEC 81346-2.019 KFE standards.specifications, approvals / CE - certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; EN 50581 standards, specifications, approvals / hazardous environments EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X off on CSA and UL D14, CL. 1 / Zone 2 / GP. IIG, T4 O145 X off on CSA and UL D14, CL. 1 / Zone 2 / GP. IIG, T4 Cettificate of suitability off of suitability - ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ce IIC T4 Gc DEKRA 18ATEX0025 X officate of suitability - C-Tick Yes Yes certificate of suitability - C-Tick Yes Yes officate of suitability - C-Tick Yes Yes officate of suitability - C-Tick Yes Yes orallway application in accordance with EN 50155 No No ollo10-2-201; CAN/CSA-IEC 61010-2-20 | • for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 |
| • for interference immunity EN 61000-6-2 MTBF 80.58 a reference code | for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| MTBF 80.58 a reference code | • for emitted interference | EN 61000-6-4:2001 (Class A) |
| reference code KF • according to IEC 81346-2: 2019 KF • according to IEC 81346-2:2019 KF • according to IEC 81346-2:2019 KF • certificate of suitability / CE marking Yes certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; EN 50581 standards, specifications, approvals / hazardous environments EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL D T4, CL. 1 / Zone 2 / GP. IIC, T4 Certificate of suitability • from CSA and UL D T4, CL. 1 / Zone 2 / GP. IIC, T4 Certificate of suitability • ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEx Yes; EN 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • relidea, specifications, approvals / other Certificate of suitability • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval CeSA 6222 Pol; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • culture approval CeSA 6222 AD 0; CA336-1; Report-Nr. E15355; ANSU/ISA 12; L10 | for interference immunity | EN 61000-6-2 |
| • according to IEC 81346-2 KF • according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE | MTBF | 80.58 a |
| • according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability ANSI / ISA 12: 12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEX Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • cultus approval Yes standards, specifications, approvals / marine classification Sca C22 2 No. 62368-1; Report-Nr. E15352; ANSI/SA 12.12.01; CSA C22.2 No. 62368-1; CSA C22.2 No. | reference code | |
| standards, specifications, approvals / CE certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; EN 50581 standards, specifications, approvals / hazardous environments EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X e from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability ATEX • ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEx Yes; IEC 60079-7; IEC 60079-0; EX ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • callway application in accordance with EN 50155 No • culus approval Ves • culus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1; CSA C222 Z No. 62368-1; Report-Nr. E115352; ANS/IISA 12.12.01; CSA C222 Z No. 62368-1; Report-Nr. E15352; ANS/IISA 12.12.01; CSA C22.2 No. 213; Cl. 1, Div. 2, GP A, B, C, D T4; Cl. 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specification association available soon • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No <t< td=""><td>according to IEC 81346-2</td><td>KF</td></t<> | according to IEC 81346-2 | KF |
| certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; EN 50581 standards, specifications, approvals / hazardous environments EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X standard / for hazardous zone EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • IECEx Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other EN 61000-6-4:2001 certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval Yes standards, specifications, approvals / marine classification No standards, specification association erailway application in accordance with EN 50124-1 • cULus approval Ves No standards, specification association erailway application ass | according to IEC 81346-2:2019 | KFE |
| certificate of suitability / RoHS conformity Yes; EN 50581 standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • IECEx Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X standards, specifications, approvals / other res; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other etficate of suitability • IECEx Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specification in accordance with EN 50155 No • railway application in accordance with EN 50155 No • cTick Yes • cULus approval Ves standards, specifications, approvals / marine classification No standards, specification society (BV) available soon • Det Norske Veritas (DNV) No • Lloyds Register of Shipping (LRS) available soon | tandards, specifications, approvals / CE | |
| standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEx Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other EN 61000-6-4:2001 certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • ailway application in accordance with EN 50155 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1; CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 23368-1; Report-Nr. E11 | certificate of suitability / CE marking | Yes |
| standard / for hazardous zone EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • IECEx Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X standards, specifications, approvals / other certificate of suitability certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • ailway application in accordance with EN 50155 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A,B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specification association available soon • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No • Lloyds Register of Shipping (LRS) available soon | certificate of suitability / RoHS conformity | Yes; EN 50581 |
| 0145 X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEx Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEKRA 18ATEX0025 X standards, specifications, approvals / other certificate of suitability certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50155 No • cULus approval Yes • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E1552; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A, B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specification association available soon • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No • Det Norske Veritas (DNV) No • Lloyds Register of Shipping (LRS) available soon | tandards, specifications, approvals / hazardous environments | |
| • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 certificate of suitability • ATEX • ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X • IECEX Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEKRA 18ATEX0025 X standards, specifications, approvals / other EN 61000-6-4:2001 certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A, B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E420480 standards, specification association - • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No • Det Norske Veritas (DNV) No • Lloyds Register of Shipping (LRS) available soon | standard / for hazardous zone | |
| certificate of suitability ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1; Report-Nr. E15352; ANSI/ISA 12.12.01; CSA C22.2, No. 62368-1; Report-Nr. E15352; ANSI/ISA 12.12.01; CSA C22.2, No. 213; CI. 1, Div. 2, GP A, B, C, D T4; CI. 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specifications, approvals / marine classification available soon Marine classification association available soon • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No • Certing C(GL) No • Lloyds Register of Shipping (LRS) available soon | ● from CSA and UL | ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, |
| ATEX Yes; EN 60079-7; EN 60079-0; II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other certificate of suitability C-Tick KC approval KC approval Yes KC approval Yes railway application in accordance with EN 50155 No railway application in accordance with EN 50124-1 No CULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E15552; ANSI/ISA 12.12.01; CSA C22.2 No. 213; Cl. 1, Div. 2, GP A,B, C, D T4; Cl. 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specification association French marine classification society (BV) available soon Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) available soon | certificate of suitability | |
| • IECEx Yes; IEC 60079-7; IEC 60079-0; Ex ec IIC T4 Gc DEK 18.0017X standards, specifications, approvals / other EN 61000-6-4:2001 certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A,B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specifications, approvals / marine classification French marine classification society (BV) • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No • Cermanische Lloyd (GL) No • Lloyds Register of Shipping (LRS) available soon | | Yes' EN 60079-7' EN 60079-0' II 3 G Ex ec IIC T4 Gc DEKRA 18ATEX0025 X |
| standards, specifications, approvals / other certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 Standards, specifications, approvals / marine classification No Marine classification association • French marine classification society (BV) • Det Norske Veritas (DNV) No • Germanische Lloyd (GL) No • Lloyds Register of Shipping (LRS) available soon | | |
| certificate of suitability EN 61000-6-4:2001 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 • cULus approval Vertas (CAN/CSA-IEC 61010-2-201; CAN/CSA-IEC 6 | | · · · · · · · · · · · · · · · · · · · |
| • C-TickYes• KC approvalYes• railway application in accordance with EN 50155No• railway application in accordance with EN 50124-1No• cULus approvalUL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A, B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480standards, specifications, approvals / marine classificationavailable soonMarine classification association • French marine classification society (BV)available soon• Det Norske Veritas (DNV)No• Germanische Lloyd (GL)No• Lloyds Register of Shipping (LRS)available soon | | EN 61000-6-4:2001 |
| KC approvalYes• railway application in accordance with EN 50155No• railway application in accordance with EN 50124-1No• cULus approvalUL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A,B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480standards, specifications, approvals / marine classificationMarine classification association | | |
| railway application in accordance with EN 50155 railway application in accordance with EN 50154-1 cULus approval CULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A,B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specifications, approvals / marine classification French marine classification society (BV) available soon Det Norske Veritas (DNV) Germanische Lloyd (GL) No Cloyds Register of Shipping (LRS) No | | |
| railway application in accordance with EN 50124-1 cULus approval cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; CL 1, Div. 2, GP A, B, C, D T4; CL 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specifications, approvals / marine classification French marine classification society (BV) available soon Det Norske Veritas (DNV) Germanische Lloyd (GL) No Lloyds Register of Shipping (LRS) | | |
| • cULus approval UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1 CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; Cl. 1, Div. 2, GP A,B, C, D T4; Cl. 1, Zone 2, GP IIC T4; Report-Nr. E240480 standards, specifications, approvals / marine classification • culture Marine classification association • French marine classification society (BV) • Det Norske Veritas (DNV) No • Germanische Lloyd (GL) No • Lloyds Register of Shipping (LRS) available soon | | |
| Marine classification association available soon • French marine classification society (BV) available soon • Det Norske Veritas (DNV) No • Germanische Lloyd (GL) No • Lloyds Register of Shipping (LRS) available soon | | UL 61010-2-201; CAN/CSA-IEC 61010-2-201; Report-Nr. E85972; UL 62368-1; CSA C22.2 No. 62368-1; Report-Nr. E115352; ANSI/ISA 12.12.01; CSA C22.2 No. 213; Cl. 1, Div. 2, GP A,B, C, D T4; Cl. 1, Zone 2, GP IIC T4; Report-Nr. |
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| Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) available soon | Marine classification association | |
| Germanische Lloyd (GL) No Lloyds Register of Shipping (LRS) available soon | French marine classification society (BV) | available soon |
| Lloyds Register of Shipping (LRS) available soon | Det Norske Veritas (DNV) | No |
| | Germanische Lloyd (GL) | No |
| | Lloyds Register of Shipping (LRS) | available soon |
| NIPPON KAIJI KYOKAI (NK) available soon | Nippon Kaiji Kyokai (NK) | available soon |
| Polski Rejestr Statkow (PRS) available soon | Polski Rejestr Statkow (PRS) | available soon |
| Royal Institution of Naval Architects (RINA) available soon | Royal Institution of Naval Architects (RINA) | available soon |
| accessories | ccessories | |
| product extension / optional / C-PLUG Yes | | |
| further information / internet links | | Yes |

| internet link | |
|---|---|
| to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| to website: Selection guide for cables and connectors | https://sie.ag/2QdlxcP |
| to website: Image database | http://automation.siemens.com/bilddb |
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| Test Certificates | |
| <u>Type Test Certific-</u> ates/Test Report | |
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11/9/2023 🖸