SIEMENS

Data sheet

6GK5204-0BS00-3PA3



SCALANCE X204RNA EEC; redundant network access 2x 100 Mbit/s RJ45 ports; 2x 100 Mbit/s combo ports; LED diagnostics; error signaling contact with set pushbutton; simple power supply; network management; including electronic manual on CD-ROM, C-PLUG optional for PRP and HSR networks;.

| product type designation | SCALANCE X204RNA EEC | | | |
|---|-----------------------|--|--|--|
| transfer rate | | | | |
| transfer rate | 10 Mbit/s, 100 Mbit/s | | | |
| interfaces / for communication / maximum configuration for modular devices | | | | |
| number of electrical ports / maximum | 4 | | | |
| interfaces / for communication / integrated | | | | |
| number of electrical connections | | | | |
| for network components or terminal equipment | 2 | | | |
| number of combo ports / with RJ45 interface for optical plug-in transceiver | 2 | | | |
| interfaces / other | | | | |
| number of electrical connections | | | | |
| for signaling contact | 1 | | | |
| for power supply | 1 | | | |
| type of electrical connection | | | | |
| for signaling contact | 3-pole terminal block | | | |
| for power supply | 3-pole terminal block | | | |
| design of the removable storage | | | | |
| • C-PLUG | Yes | | | |
| signal inputs/outputs | | | | |
| operating voltage / of the signaling contacts | | | | |
| at AC / rated value | 230 V | | | |
| at DC / rated value | 24 V | | | |
| operational current / of the signaling contacts | | | | |
| • at AC / maximum | 0.1 A | | | |
| • at DC / maximum | 0.1 A | | | |
| supply voltage, current consumption, power loss | | | | |
| type of voltage / 1 / of the supply voltage | DC | | | |
| supply voltage / 1 / rated value | 24 V | | | |
| power loss [W] / 1 / rated value | 6 W | | | |
| supply voltage / 1 / rated value | 85 276 V | | | |
| consumed current / 1 / maximum | 0.25 A | | | |
| type of electrical connection / 1 / for power supply | 3-pole terminal block | | | |
| product component / 1 / fusing at power supply input | Yes | | | |
| fuse protection type / 1 / at input for supply voltage | 1.25 A | | | |
| type of voltage / 2 / of the supply voltage | AC | | | |
| supply voltage / 2 / rated value | 85 276 V | | | |
| ambient conditions | | | | |
| ambient temperature | | | | |
| during operation | -40 +70 °C | | | |



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| - uning storage - uning - uning storage - uning - uning | a during storage | 40 170 °C | | |
|---|--|------------|--|--|
| roto roto | during storage | -40 +70 °C | | |
| Invasion entity to transformation / during operation / maximum 95 % protection class IP IP20 design, dimensions and wights | | | | |
| relative hundley 95 % add ST / P 95 % design compact design ves design | • note | | | |
| • 12 5°C / witcold condensation / during operation / 95 %- protection dass IP IP20 design, dimensions and wing/ts 0 compact, width 0 form height, dimensions and wing/ts 0 form design, dimensions and wing/ts 12 form design dimensions 0 form astering method - ext in dimensiong No *37-500 ral mounting No *0 fordure function Yes *0 rold mounting No *16 ford functions Yes *16 ford Yes *16 ford No *16 ford No *16 ford No *16 ford N | relative humidity | | | |
| maximum IP20 design | - | 95 % | | |
| Presup, dimensions and weights design compol udin 70 mm height 147 mm design 0.78 kg product fault or conformal coating Yes restaining method 0.78 kg • 35 mm top hat DIN roll mounting Yes • asf motion and mounting No • 57-500 roll mounting No • 601 functions / management, configuration, anglinearing Wes • roll mounting No • roll mounting Yes • roll mounting No • ording under while STEP 7 No • roll minoring No • roll mounting | • | | | |
| design compact width 70 mm height 147 mm degm 133 mm net weight 0.78 kg product feature' contrant coating Yes statening method * • s8 mm top hat DN rail mounting No • well rounting No • s7.300 rail mounting No • s7.500 rail mounting No • cut web-based management. Yes • configuration with STEP 7 No • product function / stephonaged No product function / s | protection class IP | IP20 | | |
| wsin 70 mm height 147 mm depth 128 mm net weight 0.78 kg product faulter / contormal coating Yes fastening method Yes • 38 mm top hat DN rail mounting No • 57.500 rail mounting No • 57.57.000 rail mounting No • 57.57.000 rail mounting No • 57.57.000 rail mounting No • 57.51.000 rail mounting No • 67.51.000 rail mounting No • 1000 rail mounting No • 1000 rail mounting No • 0000 rail mounting No • 0000 rail miniterine rail | design, dimensions and weights | | | |
| height 147 mm deph 123 mm net weight 0.78 kg product feature' conformal coating Yes fastering method ************************************ | design | compact | | |
| depth 123 mm net weight 0.78 kg product frature / contormal coating Yes fastering method ''' • 35 mm top hot IN rail mounting No • 57.500 rail mounting No • 57.7500 rail mounting No • 67.7500 rail mounting No • 78.7500 rail mounting Yes • 180 support Yes • web based management Yes • ounfiguration with STEP 7 No • Freider II / 0 aliganosita <td>width</td> <td>70 mm</td> | width | 70 mm | | |
| net weight 0.78 kg product feature / conformal coating Yes istering method Yes • 35 mm top hat DN hall mounting Yes • x87 x00 rail mounting No • S7-300 rail mounting No product functions meansement, configuration, engineering product functions Yes • CL1 Yes • CL1 Yes • MB support Yes • MB support Yes • TRAPs via email Yes • configuration with STEP 7 No • opt finioring No • multiport mirroring No • weit-hased management Yes • configuration with STEP 7 No • opt finioring No • multiport mirroring No • white PT (PROFINET 10 switch No • PROFINET 10 diagnosis No • Protocol / is supported - • TITP No • HTTP No • EROF No • SMMP V1 Yes • SMMP V3 Yes • SMMP V3 <td>height</td> <td>147 mm</td> | height | 147 mm | | |
| product feature / conformal coating Yes fastening method | depth | 123 mm | | |
| fastening method Yes • 35 mm top hat DIN rail mounting No • 57-300 rail mounting No • 57-1500 rail mounting No product functions/ management, configuration, angineering mo product functions/ management Yes • CLI Yes • TRAPs via email Yes • onfiguration with STEP 7 No • port minoring No • multiport minoring No • multiport minoring No • PROFINET IO switch No • PROFINET IO switch No • protocol / is supported • • TTRPS Yes • TTRPS Yes • TTRPS Yes • TTRPS Yes • PROFINET IO switch No • protocol / is supported • • Telnet No • TTRP Yes • TTRP No • EPO No • Clup Yes • TTRP No • FIFP No • GRPP No • GOTP No • GOTP No • GRP No • GRP No • GRM (encoping/duprier) No <td>net weight</td> <td>0.78 kg</td> | net weight | 0.78 kg | | |
| • 35 mm top hat DN rail mountingYes• wail mountingNo• S7-500 rail mountingNo• S7-500 rail mountingNo• conduct functionYes• CLIYes• CLIYes• web-based managementYes• RAPs via emailYes• TRAPs via emailYes• TRAPs via emailNo• port mirroringNo• multiport differenceNo• PROFINET IO diagnosisNo• Protoct function / switch managedNo• Protoct function / switch managedNo• TTIPYes• HTTPSYes• HTTPYes• MirroringNo• DOPNo• GMRPNo• GMRPNo• GMRPNo• GMRPYes• SMMP v1Yes• SMMP v2Yes• SMMP v3Yes• SMMP v3Yes• Identification & maintenance functionYes• Identification & maintenance functionYes• Identification & identificationYes• earor statisticsYes• earor | product feature / conformal coating | Yes | | |
| • wall mounting No • S7-300 rall mounting No • S7-100 rall mounting No • S7-100 rall mounting No product functions / management.configuration, angineering Yes • CLI Yes • CLI Yes • TRAPs via email Yes • configuration with STEP 7 No • port mirroring No • multiport mirroring No • with IRT / PROFINET IO switch No • protoci / is switch-managed No protoci / is switch-managed No protoci / is supported - • Telnet No • HTTP F Yes • HTTP N Yes • TETP No • BOOTP No • GMRP No • SNMP V1 Yes • SMMP V2 Yes • SMMP V3 Yes • Identification & maintenance function Yes • Identification & maintenance function Yes • Identification & maintenanne function | fastening method | | | |
| • S7-300 rail mounting No • S7-1500 rail mounting No product function • CLI Yes • web-based management. Yes • WB support Yes • TRAPs via email Yes • configuration with STEP 7 No • port mimoring No • multiport mimoring No • with IRT / PROFINET IO switch No • PROFINET IO diagnosis No • Protocol / is supported No • TITP Yes • Tainet No • HTTPS Yes • FIP No • EDOP Yes • SMMP v1 Yes • SMMP v3 Yes • IBMO device-specific information Yes • astatistics Packet Size Yes • statistics Packet Size Yes • product function Yes • is disticts Packet Size Yes • statistics Packet Size Yes • product function Yes • i | 35 mm top hat DIN rail mounting | Yes | | |
| S7-1500 rail mounting No product functions / management, configuration, engineering Yes • CLI Yes • web-based management Yes • Mill support Yes • TARPs via email Yes • configuration with STEP 7 No • port mirroring No • multiport mirroring No • multiport mirroring No • protocil fuse protocil (supported No • protocil fuse protocil (supported No • protocil fuse protocil (supported No • TEP No • Protocil fuse protocil (supported No • TETP No • FETP No • ETP No • GOR (encopring) No • SNMP V1 Yes • SNMP V2 Yes • SNMP V3 Yes <td>wall mounting</td> <td>No</td> | wall mounting | No | | |
| product functions | S7-300 rail mounting | No | | |
| product function Yes • CLI Yes • web-based management Yes • TRAPs via email Yes • configuration with STEP 7 No • port mirroring No • multiport mirroring No • multiport mirroring No • multiport mirroring No • protect function / switch-managed No protocol / is supported No • Talnet No • HTTP Yes • TETP No • TETP No • BOOTP No • BOOTP No • BOOTP No • BOOTP No • SIMIP v1 Yes • SIMIP v2 Yes • SIMIP v3 Yes • ICMP (encoping/querier) No identification & maintenance function Yes • IGMP (encoping/querier) No victuration Yes product function / diagnostics Yes • statistics Packet Size Yes • statistics Packet Size Yes • statistics Packet Size Yes • ror statistics Yes • ror statistics Yes • statastics packet type | S7-1500 rail mounting | No | | |
| • CLIYes• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7No• port minoringNo• multiport minoringNo• with IRT / PROFINET 10 switchNo• PROFINET 10 dargosisNoprotocol / is supportedNo• TelnetNo• TelnetNo• TriPYes• HTTPSYes• TFIPNo• SOOTPNo• GMRPNo• SOMP 24Yes• LIDPYes• LIDPNo• SIMIP v1Yes• SIMIP v2Yes• SIMIP v3Yes• SIMIP v4Yes• SIMIP v5Yes• SIMIP v6No• SIMIP v6Yes• SIMIP v6Yes• SIMIP v7Yes• SIMIP v8Yes• SIMIP v9No• SIMIP v9Yes• SIMIP v1Yes• SIMIP v3Yes• SIMIP v3Yes• SIMIP v3Yes• SIMIP v4Yes• SIMIP v5Yes• SIMIP v6Yes• SIMIP v6Yes• SIMIP v6Yes• SIMIP v7Yes• SIMIP v6Yes• SIMIP v6Y | product functions / management, configuration, engineering | | | |
| • web-based managementYes• MIB supportYes• RRPE Via emailYes• configuration with STEP 7No• port mirroringNo• unitigbort mirroringNo• with IRT / PROFINET IO switchNo• RRPEINET IO diagnosisNoproduct function / switch-managedNoproduct function / switch-managedNoprotoctor / is supportedVes• TelnetNo• HTTPSYes• HTTPSYes• TFTPNo• DCPNo• BOOTPNo• DCPYes• LLDPNo• SIMM V1Yes• SIMM V2Yes• SIMM V3Yes• IGMP (snooping/querier)Noidentification & maintenance functionYes• Identification & formationYes• product function / diagnosticsYes• product function / diagnosticsYes• istalistics Packet SizeYes• indignosticsYes• indignosticsYes | product function | | | |
| • MIB support Yes • TRAPs via email Yes • configuration with STEP 7 No • port mirroring No • with IRT / PROFINET IO switch No • PROFINET IO disprosis No protocol / is supported No • Telenet No • HITPS Yes • HITPS Yes • FIP No • BOOTP No • BOOTP No • BOOTP No • SIMMP V1 Yes • SIMMP v2 Yes • SIMMP v2 Yes • IGMP (snooping/querier) No • Identification & maintenance function Yes • IGMP (snooping/querier) No • Identifications # maintenance function Yes • Identifications # maintenance function Yes • Identifications # maintenance function Yes • idiagnostics Yes product functions / diagnostics Yes • idiagnostics Yes • idiagnostics Yes • rori stabilics Yes • indiagnostics Yes • indiagnostics Yes • indiagnostics Yes • indiagnostics Yes <td>• CLI</td> <td>Yes</td> | • CLI | Yes | | |
| • MIB supportYes• TRAPs via emailYes• configuration with STEP 7No• port mirroringNo• multiport mirroringNo• with IRT / PROFINET IO switchNo• PROFINET IO diagnosisNoprotocol / is supportedNo• TelentNo• HTTPSYes• HTTPSYes• HTTPYes• HTTPSYes• FTPNo• BOOTPNo• BOOTPYes• BOOTPYes< | web-based management | Yes | | |
| • configuration with STEP 7 No • port mirroring No • multiport mirroring No • with IRT / PROFINET IO switch No • PROFINET IO diagnosis No product function / switch-managed No protocol / is supported No • Telnet No • Telnet No • HTTP Yes • ITTPS Yes • TFP No • EFP No • BOOTP No • BOOTP No • SOMP v1 Yes • SIMMP v1 Yes • SIMMP v2 Yes • SIMMP v3 Yes • SIMM v4 Yes • SIMMP v3 Yes • Identification & maintenance function Yes • Identification & diagnostics Yes • Identification & diagnostics Yes • Identification & fulganostics Yes • statistics Packet Size Yes • statistics Packet Size Yes • statistics Packet Size Yes • ror statistics Yes • ror statistics Yes • ror statistics Yes • ror statistics Yes • ridentification / | MIB support | Yes | | |
| • port mirroring No • multiport mirroring No • with IRT / PROFINET IO switch No • Product function / switch-managed No product function / switch-managed No • Flenkt No • Flenkt No • HTTPS Yes • HTTPS Yes • HTTP No • FTP No • BOOTP No • DCP No • DCP No • SOMP V1 Yes • SIMMP V2 Yes • SIMMP V3 Yes • SIMMP V3 Yes • IGMP (snooping/querier) No identification & maintenance function Yes • IGMP (snooping/querier) No identification & function Yes • IGMP (snooping/querier) No identification s maintenance function Yes • IGMP (snooping/querier) No identification s maintenance function Yes • IGMP (snooping/querier) No identification s maintenance function Yes • IGMP (snooping/querier) No identification s maintenance function Yes • Idm dignostics Yes • italistics | TRAPs via email | Yes | | |
| • multiport mirroring No • with IRT / PROFINET IO switch No • PROFINET IO diagnosis No protact function / switch-managed No • Telnet No • Telnet No • HTTP Yes • HTTPS Yes • HTTPS Yes • HTTPS Yes • BOOTP No • BOOTP No • BOOTP No • BOOTP No • CMRP No • SNMP V1 Yes • SNMP v2 Yes • SNMP v3 Yes • (LDP No • (RAR (snooping/querier) No / identification & maintenance function Yes • (RAM (snooping/querier) No / identification & maintenance function Yes • (RAM (snooping/querier) No / identification & maintenance function Yes • (RAM (snooping/querier) No / identification s traitenance function Yes • (RAM (snooping/querier) No / identification s maintenance function Yes • (RAM (snooping/querier) No / identification s realistices Yes / product function | configuration with STEP 7 | No | | |
| • with IRT / PROFINET IO switch No • PROFINET IO diagnosis No product function / switch-managed No protocol / is supported No • Telnet No • Telnet No • HTTP Yes • HTTPS Yes • ITTP No • FTP No • BOOTP No • GMRP No • DCP Yes • LLOP No • SNMP v2 Yes • SNMP v3 Yes • IGMP (snooping/querier) No identification & maintenance function Yes • I&MO - device-specific information Yes • I&MO - device-specific information Yes • Istatistics packet Size Yes • statistics packet Size Yes • statistics packet Size Yes • error statistics Yes • error | | No | | |
| • PROFINET IO diagnosis No product function / switch-managed No protocol / is supported Image: Support of Su | multiport mirroring | No | | |
| product function / switch-managed No protocol / is supported No • Telnet No • HTTP Yes • HTTPS Yes • HTTPS Yes • HTTPS Yes • HTTP No • FTP No • BOOTP No • BOOTP No • BOOTP No • CDCP Yes • LLDP No • SMMP v1 Yes • SMMP v2 Yes • SMMP v3 Yes • IGMP (snooping/querier) No • IGMP (snooping/querier) No • Identification & maintenance function Yes • Identification & maintenance function Yes • Identification S maintenance function Yes • Identification S maintenance function Yes • Identification S maintenance function Yes • port diagnostics Yes • statistics Packet Size Yes • statistics Packet Size Yes | with IRT / PROFINET IO switch | No | | |
| product function / switch-managed No protocol / is supported No • Telnet No • HTTP Yes • HTTPS Yes • HTTPS Yes • HTTPS Yes • HTTP No • FTP No • BOOTP No • BOOTP No • BOOTP No • CDCP Yes • LLDP No • SMMP v1 Yes • SMMP v2 Yes • SMMP v3 Yes • IGMP (snooping/querier) No • IGMP (snooping/querier) No • Identification & maintenance function Yes • Identification & maintenance function Yes • Identification S maintenance function Yes • Identification S maintenance function Yes • Identification S maintenance function Yes • port diagnostics Yes • statistics Packet Size Yes • statistics Packet Size Yes | PROFINET IO diagnosis | No | | |
| protocol / is supported No • Telnet No • HTTP Yes • HTTPS Yes • TFTP No • FTP No • BOOTP No • GMRP No • DCP Yes • LLDP No • SNMP v1 Yes • SNMP v2 Yes • GMR (snooping/querier) No identification & maintenance function Yes • I&MO - device-specific information Yes • I&MO - device-specific information Yes product function Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product function Yes • error statistics Yes • statistics packet type Yes • error statistics Yes product function Yes • error statistics Yes • error statistics Yes • ring redundancy Yes Product function No • ing redundancy No • high Speed redundancy Protocol (HRP) No • high speed redundancy Protocol (HRP) No | | No | | |
| • HTTPYes• HTTPSYes• TFTPNo• FTPNo• BOOTPNo• GMRPNo• DCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Noidentification & maintenance functionYes• ISM - device-specific informationYes• ISM1 - higher level designation/location designationYesproduct functionYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• error statisticsYes• ring redundancyNo• High Speed Redundancy Protocol (HRP)No• High Speed Redundancy Protocol (HRP)No | | | | |
| • HTTPSYes• TFTPNo• FTPNo• BOOTPNo• BOOTPNo• CCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)No• IGMP (snooping/querier)No• IGMP (snooping/querier)Yes• ISM0 - device-specific informationYes• ISM1 - higher level designation/location designationYes• pord diagnosticsYes• statistics Packet SizeYes• statistics packet SizeYes• statistics packet SizeYes• error statisticsYes• product functionYes• error statisticsYes• error statisticsYes• error statisticsYes• high Speed Redundancy Protocol (HRP) with redundancyNo• high speed redundancy protocol (HRP) with redundancyNo• high speed redundancy protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo• high speed redundancy protocol (HRP) with redundancyNo• high speed redundancy protocol (HRP)No• high speed redundancy protocol (| • Telnet | No | | |
| • TFTPNo• FTPNo• BOOTPNo• BOOTPNo• GMRPNo• DCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)No• IGMP (snooping/querier)No• IGMP (snooping/querier)Yes• ISM0 - device-specific informationYes• ISM1 - higher level designation/location designationYes• pord diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• error statisticsYes• porduct functionYes• error statisticsYes• high Speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo• high speed redundancy protocol (HRP)No• high speed redundancy protocol (HRP)No | • HTTP | Yes | | |
| • FTPNo• BOOTPNo• GMRPNo• DCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)No• IGMP (snooping/querier)No• IGMP (snooping/querier)Yes• Igm (snooping/querier)Yes• statistics packet typeYes• statistics packet typeYes• error statisticsYes• product functionYes• ring redundancyNo• High Speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | • HTTPS | Yes | | |
| • BOOTPNo• GMRPNo• DCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Noidentification & maintenance functionYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• statistics Packet SizeYes• statistics packet SizeYes• statistics packet SizeYes• error statisticsYes• error statisticsYes• error statisticsYes• high speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP)No | • TFTP | No | | |
| • GMRPNo• DCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Noidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M0 - device-specific informationYes• error statistics Packet SizeYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• error statisticsYes• error statisticsYes• functions / redundancyNo• ring redundancyNo• high Speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | • FTP | No | | |
| • DCPYes• LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)No• IGMP (snooping/querier)No• IGMP (snooping/querier)Yes• IgmosticsYes• port diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes• error statisticsYes• ing redundancyNo• High Speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | • BOOTP | No | | |
| LLDPNo• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Noidentification & maintenance function• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functionYes• product functionYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYesproduct functionYes• product functionYes• fight speed RedundancyNo• high speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | • GMRP | No | | |
| • SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Noidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYesproduct functionYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYesproduct functions / redundancyYesproduct functionYes• high speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | • DCP | Yes | | |
| • SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Noidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYesproduct functionYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYesproduct functions / redundancyYesproduct functionYes• high speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | • LLDP | No | | |
| • SNMP v3 Yes • IGMP (snooping/querier) No identification & maintenance function Yes • I&M0 - device-specific information Yes • I&M1 - higher level designation/location designation Yes product functions / diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product functions / redundancy Yes product function Yes • statistics packet type Yes • error statistics Yes product function Yes • error statistics Yes product function Yes • high Speed Redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | • SNMP v1 | Yes | | |
| • IGMP (snooping/querier) No identification & maintenance function Yes • I&M0 - device-specific information Yes • I&M1 - higher level designation/location designation Yes product functions / diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product functions / redundancy Yes product functions / redundancy No high Speed Redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | • SNMP v2 | Yes | | |
| identification & maintenance function Yes • 1&M0 - device-specific information Yes • 1&M1 - higher level designation/location designation Yes product functions / diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product functions / redundancy Yes • error statistics Yes product functions / redundancy No • high Speed Redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | • SNMP v3 | Yes | | |
| identification & maintenance function Yes • 1&M0 - device-specific information Yes • 1&M1 - higher level designation/location designation Yes product functions / diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product functions / redundancy Yes • error statistics Yes product functions / redundancy No • high Speed Redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | IGMP (snooping/querier) | No | | |
| • I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnostics• port diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• high speed RedundancyNo• high speed redundancy protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | | | | |
| product functions / diagnostics product function • port diagnostics • port diagnostics • statistics Packet Size • statistics packet type • statistics packet type • error statistics • error statistics product functions / redundancy • ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy | | Yes | | |
| product functions / diagnostics product function • port diagnostics • port diagnostics • statistics Packet Size • statistics packet type • statistics packet type • error statistics • error statistics product functions / redundancy • ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy | I&M1 - higher level designation/location designation | Yes | | |
| product function Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product functions / redundancy Yes product function Image: Comparison of the system of the | | | | |
| • port diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYesproduct functions / redundancyYesproduct functionNo• ring redundancy Protocol (HRP)No• high Speed Redundancy protocol (HRP) with redundancyNo | | | | |
| • statistics Packet Size Yes • statistics packet type Yes • error statistics Yes product functions / redundancy Yes product function Image: Statistic Statisti Statisti Statistic Statistic Statisti Statistic Statist | | Yes | | |
| • statistics packet type Yes • error statistics Yes product functions / redundancy Yes product function No • ring redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | | | | |
| • error statistics Yes product functions / redundancy Yes product function Image: Comparison of the system of the | | | | |
| product functions / redundancy No • ring redundancy No • High Speed Redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | | | | |
| product function No • ring redundancy No • High Speed Redundancy Protocol (HRP) No • high speed redundancy protocol (HRP) with redundancy No | | | | |
| • ring redundancyNo• High Speed Redundancy Protocol (HRP)No• high speed redundancy protocol (HRP) with redundancyNo | | | | |
| High Speed Redundancy Protocol (HRP) No high speed redundancy protocol (HRP) with redundancy No | - | No | | |
| high speed redundancy protocol (HRP) with redundancy No | | | | |
| | | | | |
| | | | | |



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| high speed redundancy protocol (HRP) with standby redundancy | No |
|--|--|
| protocol / is supported / Media Redundancy Protocol (MRP) | No |
| product function | |
| media redundancy protocol (MRP) with redundancy manager | No |
| High-availability Seamless Redundancy (HSR) | Yes |
| Parallel Redundancy Protocol (PRP)/Redundant Network | Yes |
| Access (RNA) High-availability Seamless Redundancy (HSR) and | Yes |
| Parallel Redundancy Protocol (PRP) coupling | |
| passive listening | No |
| product functions / security | |
| protocol / is supported | |
| • SSH | Yes |
| product functions / time | |
| product function | |
| SICLOCK support | No |
| protocol / is supported | |
| • NTP | No |
| • SNTP | Yes |
| standards, specifications, approvals | |
| standard | |
| • for FM | FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X |
| for safety / from CSA and UL | UL 508 E85972, CSA C22.2 no. 142-M1987 |
| for emitted interference | EN 61000-6-4:2001 (Class A) |
| for interference immunity | EN 61000-6-4:2001 |
| MTBF | 67.64 a |
| reference code | |
| according to IEC 81346-2 | KF |
| - | KFE |
| • according to IEC 81346-2.2019 | NIL |
| according to IEC 81346-2:2019 standards, specifications, approvals / CE | |
| standards, specifications, approvals / CE | |
| standards, specifications, approvals / CE certificate of suitability / CE marking | Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard | Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC | |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments | Yes IEC 61850, IEEE 1613 |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone | Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard o for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability o C-Tick o KC approval | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard o for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability o C-Tick o KC approval | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50124-1 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes No |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 45545-2 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes No Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 45545-2 • IEC 61850-3 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standards, specifications, approvals / hazardous environments standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEC 61850-3 • IEEE 1613 | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard, / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEC 61850-3 • IEEE 1613 standards, specifications, approvals / marine classification | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard / for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEC 61850-3 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard, for hazardous zone standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standard, specifications, approvals / hazardous environments standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEC 61850-3 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes |
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| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standards, specifications, approvals / hazardous environments standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50124-1 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEC 61850-3 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes |
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| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50124-1 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEC 61850-3 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) </td <td>Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes</td> | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes Yes |
| standards, specifications, approvals / CE certificate of suitability / CE marking standard • for EMC standards, specifications, approvals / hazardous environments standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50124-1 • fire protection in accordance with EN 50124-1 • fire protection in accordance with EN 45545-2 • IEEE 1613 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) | Yes IEC 61850, IEEE 1613 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X EN 61000-6-4:2001 Yes 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 | | |
| to website: CAx-Download-Manager | http://www.siemens.com/cax | | |
| to website: Industry Online Support | https://support.industry.siemens.com | | |
| security information | | | |
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only when appropriate security measures (e.g. firewalls and/or network

| General Product Appr | oval | EMC | For use in hazard- ous locations | Declaration of Conform | nity |
|---|---|-------------------|-------------------------------------|---|----------------------------|
| <u>Manufacturer Declara-</u> <u>tion</u> | <u>Miscellaneous</u> | RCM | <u>FM</u> | <u>Manufacturer Declara-</u> <u>tion</u> | CE EG-Konf. |
| Declaration of Con- formity | Test Certificates | Marine / Shipping | | | |
| UK CA | Type Test Certific- ates/Test Report | ABS | BUREAU VERITAS | | Llovd's Register uis |
| Marine / Shipping | | | | | Railway |
| <u>NK / Nippon Kaiji Ky-</u> <u>okai</u> | PRS | RINA | DNV-GL | | <u>Confirmation</u> |
| Environment | | | | | |
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