6GK5408-4GP00-2AM2

Data sheet



SCALANCE XM408-4C; managed modular IE switch; $8x\ 10/100/1000\ Mbit/s\ RJ45$; $4x\ 100/1000\ Mbps\ ST-/SC-$ pluggable as combo ports; in total 8 ports can be used; expandable to 24 ports electrical or optical; assembly: DIN rail/S7 mounting rail, PROFINET IO device; redundancy functions; office features (RSTP, VLAN, IGMP,..); C-PLUG in scope of supply; layer 3 with Key-Plug plug available .

| product type designation | SCALANCE XM408-4C | |
|---|--|--|
| transfer rate | | |
| transfer rate | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s | |
| number of ports / maximum | 24 | |
| interfaces / for communication / maximum configuration for mo | dular devices | |
| number of electrical ports / maximum | 24 | |
| number of electrical ports / with PoE / maximum | 16 | |
| number of optical ports / maximum | 20 | |
| interfaces / for communication / integrated | | |
| number of electrical connections | | |
| for network components or terminal equipment | 8; RJ45 with securing collar | |
| number of 10/100/1000 Mbit/s RJ45 ports / integrated | | |
| with securing collar | 8 | |
| number of electrical connections | | |
| • for SCP/STP transceiver | 4; 100 Mbit/s or 1000 Mbit/s | |
| number of combo ports / with RJ45 interface for optical plug-in transceiver | 4; 100 Mbit/s ST plug-in transceiver, 1000 Mbit/s SC plug-in transceiver | |
| number of connectable extender modules | 2 | |
| interfaces / for communication / plug-in | | |
| number of 10/100/1000 Mbit/s RJ45 ports | | |
| with securing collar | 16 | |
| with securing collar / with PoE | 16 | |
| number of 100 Mbit/s ST(BFOC) ports | | |
| • for multimode | 4 | |
| • for single mode (LD) | 4 | |
| number of 1000 Mbit/s SC ports | | |
| • for multimode | 4 | |
| • for single mode (LD) | 4 | |
| number of 100 Mbit/s LC ports | | |
| • for multimode | 16 | |
| • for single mode (LD) | 16 | |
| • for single mode (LH+) | 16 | |
| • for single mode (ELH200) | 16 | |
| number of 1000 Mbit/s LC ports | | |
| • for multimode | 16 | |
| • for single mode (LD) | 16 | |
| • for single mode (LH) | 16 | |
| • for single mode (LH+) | 16 | |
| • for single mode (ELH) | 16 | |
| number of electrical connections | | |

| * (or SCPSTP Iransacewer * (or SCPSTP Iransacewer * (or SCPSTP Iransacewer * (or Scenario console * (or operator console * (or management purposes * (or signaling contact * (or province stapply * (or operator console * (or management purposes * (or operator console * (or operator console * (or operator console * (or operator console * (or operator) * (or op | - for CED | 40, 400 Mhille on 4000 Mhille OFD the in house |
|--|--|---|
| interfaces fatheric number of electrical connections • for operator console • for management purposes • for immagnement purposes • for power supply • for electrical connection • for operator console • for operator operator • for operator for the signaling contacts • for operator for the segnaling contacts • for the signaling contacts • for fortest value • for first value • | • for SCP/STP transcellus | 16; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver |
| rumber of excitical connections • for operator crosside • for signaling contact • for signaling contact • for signaling contact • for power supply • for operator crosside • for management purposes • for signaling contact • for power supply • for operator console • for management purposes • Full for management purposes • for signaling contact • for management purposes • RU15 • for signaling contact • for management purposes • RU16 • for promiting contact • for promiting contact • for promiting contact • for promiting contact • for signaling contact • for promiting contact • f | | 4, TOU INDITYS OF TOUCH INDITYS |
| for operator console for for prevent supply for prover supply for prover supply for prevent supply for prevent supply for operator console for operator console for ingraling contact for ingraling contact for signaling contact for | | |
| For infangement purposes For signaling contact For power supply For of clearfied commection For infangement purposes For signaling contact For infangement purposes For signaling contact For infangement purposes For signaling contact For signaling contacts For | | 1 |
| For signaling contact For present examply For present examply For present example For present console For present console For present console For signaling contact For signaling contact For present expansion interfaces For present console For present console For signaling contact For product feature for hose-signaling contacts For PLUGKEY-PLUG For PLUGKEY-PLUG For product feature for hose-signaling contacts For product company for hose-signaling contacts For product company for FSE / with PoE For product company for SEE / with PoE For prof / maximum For youtings, current consumption, power loss For youtings for fire supply voltage For youtings for fired value For youting for youtings for fired value For youting for youting for youting youtings for fired value For youting for youting youtings for youtings for youtings for youtings youtings youtings for youtings for youtings you | · | |
| See prevent upply 1 See prevent process RU11 RU | | |
| bype of electrical connection • for operator console • for signaling contact • for signaling contact • for signaling contact • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • consumed resident or into essagnable interface modules • and to it is signaling contacts • and | | |
| * for operator console * for management purposes * for signating contact * contracting provided in the state of extendire expansion interfaces * cPLUG KEY-PLUG * Yes * cPLUG KEY-PLUG * Yes * cPLUG KEY-PLUG * Yes * contracting provided interface modules * cperuit of the signating contacts * at DC / rated value * at DC / rated value * at DC / maximum * supply vortage, current consumption, power loss product component / connection for redundant voltage supply * supply vortage, current consumption, power loss * product component / connection for redundant voltage supply * supply voltage / 1 of the supply voltage * per port / raximum * so W * very port / raximum * very po | | |
| • for risgnaling contact number of extender expansion interfaces • C-PLUGKEY-PLUG • C-PLUGKEY-PLUG • C-PLUGKEY-PLUG • CPLUGKEY-PLUG • CPLUGKEY-PLUG • CPLUGKEY-PLUG • CPLUGKEY-PLUG • The signaling contacts • and to find extender expansion interface modules • and to find extender expansion • and to find expan | · · | R I11 |
| • for signaling contact number of extender expansion interfaces cesign of the removable storage • C-PLUG Yes product feature? hot-evappable interface modules coperating voltage? of the signaling contacts • at DC / rated value • 24 V operating voltage / of the signaling contacts • at DC / rated value • at DC / rated value • at DC / maximum outply voltage, current consumption, power loss product component? connection for redundant voltage supply suppled active power / of PSE / with PDE • per port / rated value • power loss W/ 1 / rated value • power lo | | |
| number of extender expansion interfaces design of the removable storage | | |
| design of the removable storage • C-PLUG/KEY-PLUG • C-PLUG/KEY-PLUG product feature / hot-swapable interface modules • at TbC / rated value • at DC / maximum on 1, A supply voltage, current consumption, power loss product component / connection for redundant voltage aupply supply voltage, current consumption, power loss product component / connection for redundant voltage aupply supply voltage, current consumption, power loss product component / connection for redundant voltage aupply supply voltage, current consumption, power loss product component / romaximum so 0 W • per port / maximum so 0 W • per port / maximum so 0 W • per port / maximum so 0 W • power loss (W) / 1 / rated value • per port / rated value • supply voltage / 1 / or the supply voltage • supply voltage / 1 / rated value • supply voltage / 1 / rated valu | | |
| CPLUG (KEY-PLUG) CPLUG/KEY-PLUG Product Feature / hot-sweeppable interface modules Signal Inputs/outputs operating voltage / of the signaling contacts at DC / rated value 24 V Operational current / of the signaling contacts at DC / rated value 24 V Operational current / of the signaling contacts at DC / rated value 0.1 A Supply voltage, current consumption, power loss product component / connection for redundant voltage supply applied active power / of PSE / with PoE oper port / maximum 380 W otal / maximum 380 W type of voltage / 1 / rated value opew ross [V] 1 / ra | <u> </u> | |
| product feature / hot-awappable interface modules *at DC / rated value operating voltage / of the signaling contacts *at DC / rated value operating voltage / of the signaling contacts *at DC / rated value *at DC / maximum * | | Yes |
| operating voltage / of the signaling contacts a tab C/ rated value operational current / of the signaling contacts at DC / maximum supply voltage, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss yelloga for / maximum 30 W • per port / maximum 30 W • per port / maximum 30 W • power loss (N) / 1 / rated value • supply voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • sup | • C-PLUG/KEY-PLUG | Yes |
| operating voltage / of the signaling contacts | product feature / hot-swappable interface modules | Yes |
| operating voltage / of the signaling contacts | · · · · · · · · · · · · · · · · · · · | |
| operational current / of the signaling contacts | | |
| **at DC / maximum** **supply voltage, current consumption, power loss** product component / connection for redundant voltage supply supplied active power / of PSE / with POE **per port / maximum** **stola / maximum** **supply voltage / 1 / rated value** **supply | | 24 V |
| **at DC / maximum** **supply voltage, current consumption, power loss** product component / connection for redundant voltage supply supplied active power / of PSE / with POE **per port / maximum** **stola / maximum** **supply voltage / 1 / rated value** **supply | operational current / of the signaling contacts | |
| product component / connection for redundant voltage supply supplied active power / of PSE / with POE e per port / maximum * total / maximum * supply voltage / 1 / rated value e supply voltage / 1 / rated value e power loss [W] / 1 / rated value e supply voltage / 1 / rated value e vonsumed current / 1 / raminum e type of electrical connection / 1 / for power supply p roduct component / 1 / fusing at power supply input e value of the product of toward of the product functions product functions product functions product functions e cascading in the case of a redundant ring / at reconfiguration to e ctll reduct functions / management, configuration, engineering product functions / management, configuration, engineering | | 0.1 A |
| product component / connection for redundant voltage supply supplied active power / of PSE / with POE e per port / maximum * total / maximum * supply voltage / 1 / rated value e supply voltage / 1 / rated value e power loss [W] / 1 / rated value e supply voltage / 1 / rated value e vonsumed current / 1 / raminum e type of electrical connection / 1 / for power supply p roduct component / 1 / fusing at power supply input e value of the product of toward of the product functions product functions product functions product functions e cascading in the case of a redundant ring / at reconfiguration to e ctll reduct functions / management, configuration, engineering product functions / management, configuration, engineering | supply voltage, current consumption, power loss | |
| • per port / maximum • total / maximum • total / maximum • total / maximum • supply voltage / 1 / rated value • type of electrical connection / 1 / for power supply • product component / 1 / for power supply • product foatinum **To "C • during operation • during storage • during storage • during transport • at 2 ° C / without condensation / during operation / maximum **To "C **design design **design mensions and weights **des | | Yes |
| total / maximum Sign W type of voltage / 1 / rated value • supply voltage / 1 / rated value • power loss W / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient temperature • during operation • during storage • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design modular width 140 mm height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes product features, product functions, product components / general cassading in the case of a redundant ring / at reconfiguration met of <0.3%- cascading in cases of star topology any (depending only on signal propagation time) • CLI Yes | | |
| type of voltage / 1 / rated value 24 V • power loss [W] / 1 / rated value 48 W • supply voltage / 1 / rated value 19.2 28.8 V • consumed current / 1 / maximum 2 A • type of electrical connection / 1 / for power supply 4-pole terminal block 9-product component / 1 / fusing at power supply input 4-pole terminal block 9-product component / 1 / fusing at power supply input 4-pole terminal block 9-product component / 1 / fusing at power supply input 4-pole terminal block 9-product found input storage 4-40 +85 °C • during poreation 4-40 +85 °C • during transport 4-40 +85 °C • during transport 9-5% maximum protection class IP IP20 design, dimensions and weights design modular width 140 mm height 125 mm net weight 1.15 kg fastening method 155 mm net weight 1.15 kg fastening method 9-S7-300 rail mounting 9-yes 9-S7-1500 rail mounting 9-yes 9-S7-1500 rail mounting 9-yes 9-S7-1500 rail mounting 9-yes 10-03-yes 1 | • per port / maximum | 30 W |
| supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / rated value supply voltage / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum 2 A type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design width 140 mm height 147 mm depth net weight 1.15 kg fastening method 35 mm top hat DIN rail mounting ves S7-1500 rail mounting ves S7-1500 rail mounting ves product functions, product components / general cascading in cases of sar topology product functions / management, configuration, engineering ves ves ves | • total / maximum | 360 W |
| power loss [W] / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during transport eduring transport relative humidity eat 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design design imensions and weights design imensions and weight depth 125 mm net weight fastening method | type of voltage / 1 / of the supply voltage | DC |
| • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design design modular width height 147 mm depth net weight fastening method • \$5 mm top hat DIN rail mounting • \$7-1500 rail mounting • \$7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of star topology product functions / management, configuration, engineering product functions • CLI Yes | supply voltage / 1 / rated value | 24 V |
| onsumed current / 1 / maximum iype of electrical connection / 1 / for power supply product component / 1 / fusing at power supply | power loss [W] / 1 / rated value | 48 W |
| Sype of electrical connection / 1 / for power supply 4-pole terminal block Yes | supply voltage / 1 / rated value | 19.2 28.8 V |
| Product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation | consumed current / 1 / maximum | 2 A |
| ambient conditions ambient temperature • during operation • during storage • during transport • during transport • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width height depth 147 mm depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-\sigma\cdots cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | type of electrical connection / 1 / for power supply | 4-pole terminal block |
| ambient temperature • during operation • during storage • during transport • design modular festign modular product function • ST-300 rail mounting Yes • ST-300 rail mounting Yes • ST-300 rail mounting Yes • ST-4500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <1~0.3/~s cascading in cases of star topology product functions / management, configuration, engineering product functions • CLI Yes | | Yes |
| during operation during storage during transport 40 +85 °C during transport 40 +85 °C during transport 40 +85 °C relative humidity at 25 °C / without condensation / during operation / maximum protection class IP IP20 design, dimensions and weights design modular width 140 mm height 147 mm depth net weight 1.15 kg fastening method 35 mm top hat DIN rail mounting S7-300 rail mounting S7-300 rail mounting Yes S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <1-0.3i-s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product functions CLI Yes SCLI Yes Yes | ambient conditions | |
| e during storage e during transport -40 +85 °C -40 +85 °C relative humidity e at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width height 140 mm height 147 mm depth 125 mm net weight fastening method e 35 mm top hat DIN rail mounting yes e S7-300 rail mounting Yes e S7-300 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.31-∞ (3)-∞ (according to the case of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering | • | |
| • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width 140 mm height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering | - 1 | |
| relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width height 140 mm height 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.31\-\sigma cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | | |
| at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width 140 mm height 147 mm depth 125 mm net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI 95 % maximum 1P20 IP20 | | -40 +85 °C |
| maximum protection class IP design, dimensions and weights design modular width 140 mm height 147 mm depth 125 mm net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting • S7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | • | |
| protection class IP design, dimensions and weights design modular width 140 mm height 147 mm depth net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-300 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | . . | 95 % |
| design modular width 140 mm height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • \$7-300 rail mounting Yes • \$7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology any (depending only on signal propagation time) product functions • CLI Yes | | IP20 |
| design modular width 140 mm height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • \$7-300 rail mounting Yes • \$7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI Yes | • | |
| width 140 mm height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s s cascading in cases of star topology any (depending only on signal propagation time) product function • CLI Yes | | modular |
| height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI Yes | | |
| depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.31~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | | |
| net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | | |
| fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | · | |
| • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting • S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI Yes | <u> </u> | |
| S7-300 rail mounting S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | - | Yes |
| S7-1500 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\\-s cascading in cases of star topology product functions / management, configuration, engineering product function CLI Yes | · · · · · · · · · · · · · · · · · · · | Yes |
| cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | - | Yes |
| cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | product features, product functions, product components / gene | eral |
| time of <\-0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes | cascading in the case of a redundant ring / at reconfiguration | |
| product functions / management, configuration, engineering product function • CLI Yes | time of <\~0.3\~s | |
| product function • CLI Yes | | any (depending only on signal propagation time) |
| • CLI Yes | product functions / management, configuration, engineering | |
| | | |
| web-based management Yes | | |
| | web-based management | Yes |

| MIB support | Yes |
|--|--|
| TRAPs via email | Yes |
| configuration with STEP 7 | Yes |
| • RMON | Yes |
| • port mirroring | Yes |
| multiport mirroring | Yes |
| • CoS | Yes |
| PROFINET IO diagnosis | Yes |
| PROFINET conformity class | В |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 9216 byte |
| protocol / is supported | |
| • Telnet | Yes |
| • HTTP | Yes |
| • HTTPS | Yes |
| • TFTP | Yes |
| • FTP | Yes |
| • BOOTP | Yes |
| • GMRP | Yes |
| • DCP | Yes |
| • LLDP | Yes |
| EtherNet/IP | Yes |
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| IGMP (snooping/querier) | Yes |
| identification & maintenance function | |
| 1&M0 - device-specific information | Yes |
| I&M1 - higher level designation/location designation | Yes |
| product functions / diagnostics | 165 |
| product function | |
| | Vee |
| port diagnostics Addition Regulations | Yes |
| statistics Packet Size | Yes |
| statistics packet type | Yes |
| error statistics | Yes |
| • SysLog | Yes |
| product functions / VLAN | |
| product function | |
| VLAN - port based | Yes |
| VLAN - protocol-based | Yes |
| VLAN - IP-based | Yes |
| VLAN dynamic | Yes |
| number of VLANs / maximum | 255 |
| number of VLANs - dynamic / maximum | 255 |
| protocol / is supported / GVRP | Yes |
| product functions / DHCP | |
| product function | |
| DHCP client | Yes |
| DHCP Option 82 | Yes |
| DHCP Option 66 | Yes |
| DHCP Option 67 | Yes |
| product functions / routing | |
| service / routing / note | IP routing in combination with KEY-PLUG XM-400 |
| product function | |
| static IP routing | Yes |
| static IP routing IPv6 | Yes |
| dynamic IP routing | |
| | |
| | Yes |
| dynamic IP routing IPv6 | |
| | Yes |

| • PIDnC for IDv6 | Voc |
|--|---|
| RIPnG for IPv6 OSPEva | Yes |
| OSPFv2 OSPEv2 for IPv6 | Yes |
| OSPFv3 for IPv6 | Yes |
| VRRP VPRP for IDVS | Yes |
| VRRP for IPv6 product functions / redundancy | Yes |
| product function | |
| of the PROFINET IO device / is supported / PROFINET | Yes |
| system redundancy | |
| ring redundancy | Yes |
| High Speed Redundancy Protocol (HRP) | Yes |
| high speed redundancy protocol (HRP) with redundancy manager | Yes |
| high speed redundancy protocol (HRP) with standby redundancy | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| media redundancy protocol (MRP) with redundancy manager | Yes |
| Media Redundancy Protocol Interconnection (MRP-I) | Yes |
| of the PROFINET IO device / is supported / H-Sync forwarding | Yes |
| • redundancy procedure STP | Yes |
| redundancy procedure RSTP | Yes |
| redundancy procedure RSTP+ | Yes |
| • redundancy procedure MSTP | Yes |
| passive listening | Yes |
| protocol / is supported | |
| • LACP | Yes |
| product functions / security | |
| product function | |
| ACL - MAC-based | Yes |
| ACL - port/MAC-based | Yes |
| • IEEE 802.1x (radius) | Yes |
| broadcast/multicast/unicast limiter | Yes |
| broadcast blocking | Yes |
| protocol / is supported | |
| • SSH | Yes |
| • SSL | Yes |
| product functions / time | |
| product function | Van |
| SICLOCK support NTP-client | Yes Yes |
| SNTP client | |
| protocol / is supported | Yes |
| NTP | Yes |
| • SNTP | Yes |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| standards, specifications, approvals | |
| standard | |
| • for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |
| • for safety / from CSA and UL | UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 |
| for emitted interference | EN 61000-6-4 (Class A) |
| for interference immunity | EN 61000-6-2 |
| MTBF | 28 a |
| reference code | |
| • according to IEC 81346-2 | KF |
| • according to IEC 81346-2:2019 | KFE |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| · - | |

| certificate of suitability / RoHS conformity | Yes; 2011/65/EU |
|--|---|
| standards, specifications, approvals / hazardous environments | 165, 2011/00/25 |
| standard / for hazardous zone | EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX |
| | 0145 X, IECEX DEK 14.0025X |
| • from CSA and UL | ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 |
| certificate of suitability | |
| CCC / for hazardous zone according to GB standard | Yes |
| CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| • C-Tick | Yes |
| KC approval | Yes |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| French marine classification society (BV) | Yes |
| DNV GL | Yes |
| Lloyds Register of Shipping (LRS) | Yes |
| Nippon Kaiji Kyokai (NK) | Yes |
| Polski Rejestr Statkow (PRS) | Yes |
| Royal Institution of Naval Architects (RINA) | Yes |
| further information / internet links | |
| 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: 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 | |
| security information | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4) |

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