SIEMENS

Data sheet

6GK5722-1FC00-0AC0

product type designation



W722-1 RJ45 (ISR)

IWLAN client, SCALANCE W722-1, RJ45, 1 radio, 1 R-SMA antenna port, iFeatures support IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross data rate 150 Mbit/s, 1x RJ45 max. 100 Mbit/s, 24 V DC, joint block, IP20, 0... +55 °C, WPA2/802.11i/e, observe national approvals! CERT ID: ELN-W1-RJ-E1, scope of delivery: Manuals on CD-ROM, German/English, 1x joint block; only for operation in Israel.

| transfer rate For Industrial Ethemet • with WUAN / maximum 150 Mbit/s • for Industrial Ethemet 10.00 Mbit/s transfer rate / for Industrial Ethemet 100 Mbit/s • minimum 100 Mbit/s • maximum 100 Mbit/s interfaces Interfaces • for network components or terminal equipment 1 • for redundant voltage supply 0 • for network components or terminal equipment RJ45 socket • for network components or terminal equipment RJ45 socket • for network components or terminal equipment Interfaces • for network components or terminal equipment RJ45 socket • for network components or terminal equipment Interfaces • for network components or terminal equipment Interfaces • for network components or terminal equipment Interfaces • CP-LUG No <th></th> <th></th> | | |
|--|--|-----------------------|
| • with WLAN / maximum150 Mbit/s• for Industrial Ethernet10, 100 Mbit/stransfer rate / for Industrial Ethernet0 Mbit/s• minimum10 Mbit/s• maximum10 Mbit/sInterfaces1• for retwork connections1• for retwork connections1• for retwork connections1• for retwork connection1• for retwork connection8-000000000000000000000000000000000000 | transfer rate | |
| • for Industrial Ethemet 10, 100 Mbit/s transfer rate / for Industrial Ethemet 10 Mbit/s • minimum 100 Mbit/s • maximum 100 Mbit/s rindercoss 100 Mbit/s rumber of electrical connections 1 • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 9,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 9,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 8,45 socket • for network components or terminal equipment 10,00000000000000000000000000000000000 | transfer rate | |
| transfer rate / for Industrial Ethemet In Minimum • minimum 10 Mbit/s interfaces • for network components or terminal equipment 1 • for network components or terminal equipment RJ45 socket • for network components or terminal equipment RJ45 socket • for network components or terminal equipment No • CP-LUG No subply of leadic cards / permanently installed 1 number of electrical connections / for external antenna(s) P. SMA (socket) product feature / atternal antenna(s) R-SMA (socket) type of voltage / of the supply voltage DC consumed current 0.15 A • at DC / at 24 V / typical 0.6 W <t< td=""><td> with WLAN / maximum </td><td>150 Mbit/s</td></t<> | with WLAN / maximum | 150 Mbit/s |
| • minimum 10 Mbit/s interfaces 100 Mbit/s interfaces 1 • for network components or terminal equipment 1 • for redurdant voltage supply 0 • for redurdant voltage supply 0 • for network components or terminal equipment 1.45 socket • for network components or terminal equipment RJ45 socket • for network components or terminal equipment RJ45 socket • for network components or terminal equipment Nd5 socket • for network components or terminal equipment RJ45 socket • for network components or terminal equipment RJ45 socket • for network components or terminal equipment RJ45 socket • for network off No retmory No design of the removable storage No • KEY-PLUG No number of elactrical connections / for external antenna(s) 1 product feature? external antenna(s) R-SMA (socket) product feature? external antenna(s) R-SMA (socket) othol terminal block 0.15 A oppower loss [W] 0.15 A otfont terminal block 19.2 V <td> for Industrial Ethernet </td> <td>10, 100 Mbit/s</td> | for Industrial Ethernet | 10, 100 Mbit/s |
| • maximum 100 Mbil/s interfaces | transfer rate / for Industrial Ethernet | |
| interfaces number of electrical connections • for network components or terminal equipment • for network components • for network or permentent • forn terminal block | • minimum | 10 Mbit/s |
| number of electrical connections 1 • for network components or terminal equipment 1 • for redundant voltage supply 0 type of electrical connection • • for network components or terminal equipment R.145 socket • for network components or terminal equipment R.145 socket • for network components or terminal equipment R.145 socket • for network components or terminal equipment R.145 socket • for network components or terminal equipment R.145 socket • for network components or terminal equipment R.145 socket • for the removable storage • • C-PLUG No • CPLUG No number of radio cards / permanently installed 1 supply voltage, current consumption, power loss Yes supply voltage / or the supply volta | • maximum | 100 Mbit/s |
| • for network components or terminal equipment 1 • for power supply 1 • for redundant voltage supply 0 type of electrical connection RJ45 socket • for power supply 3-pole screw terminal memory - design of the removable storage - • C-PLUG No • KEY-PLUG No Interfaces / wireloss - number of radio cards / permanently installed 1 number of electrical connection / for external antenna(s) 1 type of electrical connection / for external antenna(s) Yes supply voltage / of the supply voltage DC consumed current - • at DC / at 24 V / typical 0.15 A power loss [W] - • at DC / at 24 V / typical 9.48 W supply voltage / 1 - • from terminal block 19.2 V supply voltage / 2 - • from terminal block 28.8 V ambient temperature - • uning operation 0 55 °C | interfaces | |
| • for power supply 1 • for redundant voltage supply 0 type of electrical connection RJ45 socket • for network components or terminal equipment RJ45 socket • for power supply 3-pole screw terminal memory | number of electrical connections | |
| • for redundant voltage supply 0 type of electrical connection RJ45 socket • for network components or terminal equipment RJ45 socket • for power supply 3-pole screw terminal memory Gesign of the removable storage • C-PLUG No • KEY-PLUG No Interfaces / wireless Interfaces / wireless number of radio cards / permanently installed 1 number of electrical connections / for external antenna(s) 1 type of electrical connections / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss Yes type of voltage / of the supply voltage DC consumed current 0.15 A • at DC / at 24 V / typical 0.15 A power loss [W] • at DC / at 24 V / typical • form terminal block 19.2 V supply voltage / 1 19.2 V • form terminal block 28.8 V ambient conditions 28.8 V | for network components or terminal equipment | 1 |
| type of electrical connection RJ45 socket • for network components or terminal equipment RJ45 socket • for power supply 3-pole screw terminal memory design of the removable storage • C-PLUG No • KEY-PLUG No Interfaces / wireless number of radio cards / permanently installed 1 number of radio cards / permanently installed 1 1 number of electrical connections / for external antenna(s) R-SMA (socket) Yes product feature / external antenna can be mounted directly on device Yes Supply voltage, current consumption, power loss type of voltage / of the supply voltage DC consumed current 0.15 A owner loss [W] 0.15 A power loss [W] 0.15 A power loss [W] 0.2 At 24 V / typical 3.6 W supply voltage / 1 1 1 1 • from terminal block 19.2 V 28.8 V ambient conditions 28.8 V 28.8 V | for power supply | 1 |
| for network components or terminal equipment for power supply 3-pole screw terminal memory design of the removable storage C-PLUG No KEY-PLUG No Interfaces / wireless number of radio cards / permanently installed number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) type of voltage / of the supply voltage consumed current at DC / at 24 V / typical ot D2 / at 24 V / typical at DC / at 24 V / typical at DC / at 24 V / typical at D2 / at 24 V / typical at D4 / at 24 V / typical at D5 / at 24 V / typical at D4 / at 24 V / typical at D5 / at 24 V / typical bit form terminal block at D2 / at 24 V / typical at D4 / at 24 V / typical bit terminal block at D4 / at 24 V / typical bit terminal block bit terminal bl | for redundant voltage supply | 0 |
| • for power supply 3-pole screw terminal memory design of the removable storage • C-PLUG No • KEY-PLUG No number of radio cards / permanently installed 1 number of adio cards / permanently installed 1 number of electrical connections / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss Ves type of voltage / of the supply voltage DC consumed current 0.15 A owner loss [W] 3.6 W supply voltage / 1 1 • from terminal block 19.2 V supply voltage / 2 28.8 V ambient conditions 28.8 V | type of electrical connection | |
| memory design of the removable storage • C-PLUG No interfaces / wireless number of radio cards / permanently installed 1 number of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss DC type of voltage / of the supply voltage DC consumed current 0.15 A • at DC / at 24 V / typical 3.6 W supply voltage / 1 - • from terminal block 19.2 V supply voltage / 2 - • from terminal block 28.8 V ambient conditions - ambient temperature 0 55 °C | for network components or terminal equipment | RJ45 socket |
| design of the removable storage No • C-PLUG No • KEY-PLUG No interfaces / wireless No number of radio cards / permanently installed 1 number of electrical connection / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss DC type of voltage / of the supply voltage DC consumed current 0.15 A øwer loss [W] 3.6 W supply voltage / 1 19.2 V supply voltage / 2 of from terminal block 28.8 V ambient conditions 0 55 °C | for power supply | 3-pole screw terminal |
| • C-PLUG No • KEY-PLUG No interfaces / wireless Inumber of radio cards / permanently installed 1 number of electrical connections / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss Ves type of voltage / of the supply voltage DC consumed current 0.15 A • at DC / at 24 V / typical 0.6 W supply voltage / 1 3.6 W • at DC / at 24 V / typical 3.6 W supply voltage / 2 - • from terminal block 19.2 V supply voltage / 2 - • from terminal block 28.8 V ambient conditions - ambient temperature - • during operation 0 | memory | |
| • KEY-PLUG No interfaces / wireless 1 number of radio cards / permanently installed 1 number of electrical connections / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss Ves type of voltage / of the supply voltage DC consumed current 0.15 A power loss [M] 0.15 A e at DC / at 24 V / typical 3.6 W supply voltage / 1 19.2 V supply voltage / 2 28.8 V ambient conditions 28.8 V | design of the removable storage | |
| Interfaces / wireless number of radio cards / permanently installed 1 number of electrical connections / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss Ves type of voltage / of the supply voltage DC consumed current 0.15 A power loss [W] 0.15 A • at DC / at 24 V / typical 3.6 W supply voltage / 1 0.92 V • from terminal block 19.2 V supply voltage / 2 28.8 V ambient conditions 28.8 V | • C-PLUG | No |
| number of radio cards / permanently installed 1 number of electrical connections / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss DC type of voltage / of the supply voltage DC consumed current 0.15 A ower loss [W] 3.6 W supply voltage / 1 19.2 V supply voltage / 2 28.8 V ambient conditions ambient temperature o during operation 0 55 °C | • KEY-PLUG | No |
| number of electrical connections / for external antenna(s) 1 type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss DC type of voltage / of the supply voltage DC consumed current 0.15 A e at DC / at 24 V / typical 0.15 A power loss [W] 3.6 W supply voltage / 1 19.2 V supply voltage / 2 28.8 V ambient conditions 28.8 V ambient temperature 0 55 °C | interfaces / wireless | |
| type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss DC type of voltage / of the supply voltage DC consumed current 0.15 A power loss [W] 0.15 A • at DC / at 24 V / typical 0.15 A power loss [W] 3.6 W supply voltage / 1 19.2 V supply voltage / 2 28.8 V ambient conditions ambient temperature o during operation 0 55 °C | number of radio cards / permanently installed | 1 |
| product feature / external antenna can be mounted directly on device Yes supply voltage, current consumption, power loss DC type of voltage / of the supply voltage DC consumed current 0.15 A e at DC / at 24 V / typical 0.15 A power loss [W] 3.6 W supply voltage / 1 19.2 V supply voltage / 2 28.8 V ambient conditions 28.8 V ambient temperature 0 55 °C | number of electrical connections / for external antenna(s) | 1 |
| device Image: supply voltage, current consumption, power loss type of voltage / of the supply voltage DC consumed current 0.15 A o at DC / at 24 V / typical 0.15 A power loss [W] at DC / at 24 V / typical at DC / at 24 V / typical 3.6 W supply voltage / 1 9.2 V o from terminal block 19.2 V supply voltage / 2 28.8 V ambient conditions 28.8 V ambient temperature 0 55 °C | type of electrical connection / for external antenna(s) | R-SMA (socket) |
| type of voltage / of the supply voltage DC consumed current 0.15 A • at DC / at 24 V / typical 0.15 A power loss [W] 3.6 W • at DC / at 24 V / typical 3.6 W supply voltage / 1 19.2 V • from terminal block 19.2 V supply voltage / 2 28.8 V • from terminal block 28.8 V ambient conditions 0 55 °C | | Yes |
| consumed current 0.15 A • at DC / at 24 V / typical 0.15 A power loss [W] 3.6 W • at DC / at 24 V / typical 3.6 W supply voltage / 1 19.2 V • from terminal block 19.2 V supply voltage / 2 28.8 V • from terminal block 28.8 V ambient conditions 0 55 °C | supply voltage, current consumption, power loss | |
| • at DC / at 24 V / typical 0.15 A power loss [W] | type of voltage / of the supply voltage | DC |
| power loss [W] 3.6 W • at DC / at 24 V / typical 3.6 W supply voltage / 1 19.2 V • from terminal block 19.2 V supply voltage / 2 28.8 V • from terminal block 28.8 V ambient conditions 0 55 °C | consumed current | |
| • at DC / at 24 V / typical 3.6 W supply voltage / 1 - • from terminal block 19.2 V supply voltage / 2 - • from terminal block 28.8 V ambient conditions - • during operation 0 55 °C | • at DC / at 24 V / typical | 0.15 A |
| supply voltage / 1 19.2 V • from terminal block 19.2 V supply voltage / 2 28.8 V • from terminal block 28.8 V ambient conditions 0 55 °C | power loss [W] | |
| ● from terminal block 19.2 V supply voltage / 2 28.8 V ● from terminal block 28.8 V ambient conditions 20.0 ± 55 °C | • at DC / at 24 V / typical | 3.6 W |
| supply voltage / 2 - • from terminal block 28.8 V ambient conditions - ambient temperature - • during operation 0 55 °C | supply voltage / 1 | |
| | from terminal block | 19.2 V |
| ambient conditions ambient temperature • during operation 0 55 °C | supply voltage / 2 | |
| ambient temperature • during operation 0 55 °C | from terminal block | 28.8 V |
| • during operation 0 55 °C | ambient conditions | |
| | ambient temperature | |
| • during storage -40 +85 °C | during operation | 0 55 °C |
| | during storage | -40 +85 °C |



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| during transport | -40 +85 °C |
|--|---|
| relative humidity / at 25 °C / without condensation / during | 95 % |
| operation / maximum | |
| ambient condition / for operation | When used under hazardous conditions (Zone 2), the SCALANCE W761-1 RJ45 or W72x-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. |
| protection class IP | IP20 |
| design, dimensions and weights | |
| width | 50 mm |
| height | 114 mm |
| depth | 74 mm |
| width / of the enclosure / without antenna | 50 mm |
| height / of the enclosure / without antenna | 114 mm |
| depth / of the enclosure / without antenna | 74 mm |
| net weight | 0.13 kg |
| fastening method | |
| • S7-300 rail mounting | No |
| • S7-1500 rail mounting | No |
| 35 mm top hat DIN rail mounting | Yes |
| wall mounting | No |
| radio frequencies | |
| | |
| operating frequency | 2.41 2.48 GHz; depending on the country approvals |
| for WLAN in 2.4 GHz frequency band | |
| for WLAN in 5 GHz frequency band | 4.9 5.8 GHz; depending on the country approvals |
| product features, product functions, product components / gene | |
| product function / Access Point Mode | No |
| product function / client Mode | Yes |
| product function | |
| iPCF client | Yes |
| iPCF-MC client | Yes |
| number of iPCF-capable radio modules | 1 |
| product function / iPRP | Yes |
| product functions / management, configuration, engineering | |
| number of manageable IP addresses / in client | 4 |
| product function | |
| • CLI | Yes |
| web-based management | Yes |
| MIB support | Yes |
| TRAPs via email | Yes |
| configuration with STEP 7 | Yes |
| configuration with STEP 7 in the TIA Portal | Yes |
| • WDS | No |
| protocol / is supported | |
| Address Resolution Protocol (ARP) | Yes |
| • ICMP | Yes |
| • Telnet | Yes |
| • HTTP | Yes |
| • HTTPS | Yes |
| • TFTP | Yes |
| • DCP | Yes |
| • LLDP | No |
| identification & maintenance function | |
| I&M0 - device-specific information | Yes |
| I&M1 - higher level designation/location designation | Yes |
| reader - higher level designation/location designation product functions / diagnostics | |
| | |
| product function | Vee |
| PROFINET IO diagnosis | Yes |
| Ink check | No |
| connection monitoring IP-Alive | No |
| | |
| SysLog protocol / is supported | Yes |



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| | Ven |
|--|---|
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| product functions / VLAN | |
| product function | |
| function VLAN with IWLAN | No |
| product functions / DHCP | |
| product function | |
| DHCP client | Yes |
| DHCP server | Yes |
| DHCP Option 82 | Yes |
| product functions / redundancy | |
| protocol / is supported | |
| • STP/RSTP | Yes |
| • MSTP | Yes |
| • RSTP | Yes |
| product functions / security | |
| product function | |
| ACL - MAC-based | Yes |
| management security, ACL-IP based | Yes |
| • IEEE 802.1x (radius) | Yes |
| NAT/NAPT | Yes |
| access protection according to IEEE802.11i | Yes |
| WPA/WPA2 | Yes |
| • TKIP/AES | Yes |
| protocol / is supported | |
| • SSH | Yes |
| RADIUS | Yes |
| product functions / time | |
| protocol / is supported | |
| • NTP | Yes |
| - CNTD | |
| • SNTP | Yes |
| SIMATIC time synchronization (SIMATIC Time) | Yes |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals | |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard | Yes |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM | Yes |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability • EC Declaration of Conformity | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability • EC Declaration of Conformity • CE marking • C-Tick | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability • EC Declaration of Conformity • CE marking • C-Tick • E1 approval | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability • EC Declaration of Conformity • CE marking • C-Tick | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No No No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No No No No No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No No No No No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No No No No No No No No No No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No No Yes No Yes Yes |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11e | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEE 802.11a IEEE 802.11b IEEE 802.11g | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11p IEEE 802.11h IEEE 802.11i | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No Yes Yes < |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11p IEEE 802.11h | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No Yes |
| SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11p IEEE 802.11i IEEE 802.11i IEEE 802.11n wireless approval | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No |
| SIMATIC time synchronization (SIMATIC Time) standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11h IEEE 802.11i IEEE 802.11i IEEE 802.11n | Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X No Yes |



| American Bureau of Shipping Europe Ltd. (ABS) | No |
|---|---|
| French marine classification society (BV) | No |
| • DNV GL | No |
| Korean Register of Shipping (KRS) | No |
| Lloyds Register of Shipping (LRS) | No |
| Nippon Kaiji Kyokai (NK) | No |
| Polski Rejestr Statkow (PRS) | No |
| Royal Institution of Naval Architects (RINA) | No |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| • from CSA and UL | ANSI/ISA 12.12.01-2013, CAN/CSA C22.2 No.213-M1987, Cl. 1, div. 2, GP. A, B, C, D, T4 / Cl. 1, Zone 2, GP IIC E240480 |
| accessories | |
| accessories | 24 V DC screw terminal included in scope of delivery |
| further information / internet links | |
| internet link | |
| to website: TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| • to the website: IWLAN | http://www.siemens.com/iwlan |
| 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 | |
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last modified:

8/25/2023 🖸

