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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• 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	
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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