SIEMENS

Data sheet

6GK5721-1FC00-0AA0

product type designation



W721-1 RJ45

IWLAN client, SCALANCE W721-1, RJ45, 1 radio, 1 R-SMA antenna port, 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; for operation outside of USA/Israel .

transfer rate • with WLAN / maximum • for industrial Ethernet • minimum • maximum • maximum 10 Mbit/s • for network components or terminal equipment • for network components or terminal equipment • for retwork components or terminal equipment • for retwork components or terminal equipment • for power supply • for redundant voltage supply type of electrical connection • for power supply design of the removable storage • C-P-LUG • KEY-P-LUG • No • Total cards / permanently installed • number of radio cards / permanently installed • number of radio cards / permanently installed • In unification onnections / for external antenna(s) • R-SMA (socket) • Yes • C-P-LUG • AT DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block	transfer rate	
• for Industrial Ethernet transfer rate / for Industrial Ethernet • minimum • maximum 10 Mbit/s • maximum 100 Mbit/s intorfaces number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 10 type of electrical connection • for network components or terminal equipment • for pretwork components or terminal equipment • for network components or terminal equipment • for network components or terminal equipment • for power supply 3-pole screw terminal design of the removable storage • C-P-LUG No • KEY-PLUG No • KEY-PLUG No • KEY-PLUG No interfaces / wiroless number of radio cards / permanently installed number of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage on sumed current • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block supply voltage / 1 • from terminal block supply voltage / 2 • from terminal block 28.8 V	transfer rate	
transfer rate / for Industrial Ethernet • minimum • maximum 100 Mbit/s Interfaces number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 • for redundant voltage supply 1 • for network components or terminal equipment • for network components or terminal equipment • for power supply 3-pole screw terminal design of the removable storage • C-PLUG • No • KEY-PLUG • No memory design of the removable storage • C-PLUG • No • KEY-PLUG • No interfaces / wireless number of radio cards / permanently installed number of reductical connection / for external antenna(s) type of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) type of voltage / current consumption, power loss type of voltage, current consumption, power loss type of voltage, of the supply voltage consumed current • at DC / at 24 V/ typical • from terminal block supply voltage / 2 • from terminal block 28.8 V	with WLAN / maximum	150 Mbit/s
 minimum maximum 100 Mbit/s Interfaces number of electrical connections for network components or terminal equipment for power supply for redundant voltage supply type of electrical connection for network components or terminal equipment for network components or terminal equipment for power supply 3-pole screw terminal design of the removable storage C-PLUG No KEY-PLUG No Mo KEY-PLUG No Interfaces / wireless number of radio cards / permanently installed number of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) xespply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current at DC / at 24 V/ typical at DC / at 24 V/ typical at DC / at 24 V/ typical of the remnal block for merminal block supply voltage / 2 from terminal block from terminal block 	for Industrial Ethernet	10, 100 Mbit/s
maximum interfaces number of electrical connections of network components or terminal equipment for power supply for redundant voltage supply of or retwork components or terminal equipment of network consumption or terminal equipment of network consumption or terminal equipment of	transfer rate / for Industrial Ethernet	
number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG No No **MEY-PLUG No No **MEY-PLUG No interfaces / wireless number of radio cards / permanently installed number 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 / external antenna can be mounted directly on device **Lype of voltage / of the supply voltage type of voltage / of the supply voltage of the supply voltage / 1 of the meminal block **Interfaces / vireless **Lype of voltage / 1 of the supply voltage / 2 of more terminal block **Interfaces / vireless **Interfaces / vireless / vireless **Interfaces / vireless / vireless **Interfaces / vireless / vi	• minimum	10 Mbit/s
number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 0 type of electrical connection • for network components or terminal equipment • for petwork components or terminal equipment • for petwork components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG No • KEY-PLUG No No * KEY-PLUG No interfaces / wireless number of radio cards / permanently installed number of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block 28.8 V	• maximum	100 Mbit/s
for network components or terminal equipment for power supply for redundant voltage supply type of electrical connection for network components or terminal equipment for power supply supply design of the removable storage c-PLUG No KEY-PLUG No KEY-PLUG No KEY-PLUG No KEY-PLUG No KEY-PLUG No KEY-PLUG No SA S	interfaces	
• for power supply • for redundant voltage supply type of electrical connection • for network components or terminal equipment • for power supply 3-pole screw terminal design of the removable storage • C-P-LUG • KEY-P-LUG No * No * KEY-P-LUG No * No * No * KEY-P-LUG No * No * No * KEY-P-LUG No * No	number of electrical connections	
• for redundant voltage supply type of electrical connection • for network components or terminal equipment • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG • No memory design of the removable storage • C-PLUG • KEY-PLUG • No interfaces / wireless number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [V] • at DC / at 24 V / typical of from terminal block supply voltage / 2 • from terminal block supply voltage / 2 • from terminal block 28.8 V	 for network components or terminal equipment 	1
type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-P-LUG • KEY-PLUG No memory design of the removable storage • C-P-LUG • C-P-LUG • No • KEY-PLUG No No interfaces / wireless number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC meminal block supply voltage / 2 • from terminal block 28.8 V	 for power supply 	1
• for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG No memory design of the removable storage • C-PLUG • KEY-PLUG No * No * KEY-PLUG No * No * KEY-PLUG No * No	 for redundant voltage supply 	0
for power supply design of the removable storage	type of electrical connection	
design of the removable storage • C-PLUG • KEY-PLUG No memory design of the removable storage • C-PLUG • KEY-PLUG No • KEY-PLUG No interfaces / wireless number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	 for network components or terminal equipment 	RJ45 socket
C-PLUG KEY-PLUG No Memory design of the removable storage C-PLUG No KEY-PLUG No KEY-PLUG No KEY-PLUG No Interfaces / wireless number of radio cards / permanently installed 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 supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current at DC / at 24 V / typical DC consumed current form terminal block 19.2 V supply voltage / 2 from terminal block 28.8 V	 for power supply 	3-pole screw terminal
• KEY-PLUG design of the removable storage • C-PLUG • KEY-PLUG Interfaces / wireless number of radio cards / permanently installed 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) Product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical supply voltage / 1 • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	design of the removable storage	
design of the removable storage • C-PLUG • KEY-PLUG Interfaces / wireless number of radio cards / permanently installed number of lectrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical supply voltage / 1 • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	• C-PLUG	No
design of the removable storage • C-PLUG • KEY-PLUG Interfaces / wireless number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block supply voltage / 2 • from terminal block 28.8 V	• KEY-PLUG	No
C-PLUG KEY-PLUG No interfaces / wireless number of radio cards / permanently installed number of lectrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current at DC / at 24 V / typical power loss [W] at DC / at 24 V / typical supply voltage / 1 from terminal block 19.2 V supply voltage / 2 from terminal block 28.8 V	memory	
• KEY-PLUG Interfaces / wireless number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block supply voltage / 2 • from terminal block 28.8 V	design of the removable storage	
Interfaces / wireless number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	• C-PLUG	No
number of radio cards / permanently installed number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	• KEY-PLUG	No
number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	interfaces / wireless	
type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block Supply voltage / 2 • from terminal block 28.8 V	number of radio cards / permanently installed	1
product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	number of electrical connections / for external antenna(s)	1
device supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block supply voltage / 1 • from terminal block 28.8 V	type of electrical connection / for external antenna(s)	R-SMA (socket)
type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block supply voltage / 2 • from terminal block 28.8 V		Yes
consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	supply voltage, current consumption, power loss	
● at DC / at 24 V / typical power loss [W] ● at DC / at 24 V / typical • at DC / at 24 V / typical supply voltage / 1 • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	type of voltage / of the supply voltage	DC
power loss [W] • at DC / at 24 V / typical supply voltage / 1 • from terminal block supply voltage / 2 • from terminal block 28.8 V	consumed current	
at DC / at 24 V / typical supply voltage / 1 from terminal block 19.2 V supply voltage / 2 from terminal block 28.8 V	at DC / at 24 V / typical	0.15 A
supply voltage / 1 • from terminal block supply voltage / 2 • from terminal block 28.8 V	power loss [W]	
● from terminal block supply voltage / 2 ● from terminal block 28.8 V	• at DC / at 24 V / typical	3.6 W
supply voltage / 2 • from terminal block 28.8 V	supply voltage / 1	
• from terminal block 28.8 V	• from terminal block	19.2 V
	supply voltage / 2	
ambient conditions	 from terminal block 	28.8 V
	ambient conditions	

ambient temperature	
 during operation 	0 55 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
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
make the select ID	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	
 for WLAN in 2.4 GHz frequency band 	2.41 2.48 GHz; depending on the country approvals
 for WLAN in 5 GHz frequency band 	4.9 5.8 GHz; depending on the country approvals
product features, product functions, product components / gen	eral
product function / Access Point Mode	No
product function / client Mode	Yes
product function	
• iPCF client	No
• iPCF-MC client	No
product function / iREF	No
product function / iPRP	No
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 • configuration with STEP 7 in the TIA Portal	Yes
WDS	No
protocol / is supported	NO
	Vec
Address Resolution Protocol (ARP) ICMP	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
product functions / diagnostics	
product function	
product function • PROFINET IO diagnosis	No

• connection manifering ID Alive	No
connection monitoring IP-Alive Suplace	Yes
SysLog protocol / is supported.	Tes
protocol / is supported	Van
SNMP v1 CNMP v2	Yes
SNMP v2 CNMP 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	
product functions / time protocol / is supported	
	Yes
protocol / is supported	Yes Yes
protocol / is supported • NTP	
protocol / is supported • NTP • SNTP	Yes
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time)	Yes
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	Yes
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC,
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC,
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes
protocol / is supported NTP SNTP 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 approval railway application in accordance with EN 50155	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No
protocol / is supported NTP SNTP 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No
protocol / is supported NTP SNTP 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No
protocol / is supported NTP SNTP 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No
protocol / is supported NTP SNTP 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	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP 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	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick It approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP 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 Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No No No Yes Yes Yes Yes Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 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 IEEE 802.11g	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No Yes Yes Yes Yes Yes Yes Yes Yes Yes
protocol / is supported NTP SNTP 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 802.11g IEEE 802.11f	Yes Yes Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No No Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 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 IEEE 802.11g	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No Yes Yes Yes Yes Yes Yes Yes Yes

wireless approval	You will find the current list of countries at: www.siemens.de/funkzulassungen
standards, specifications, approvals / marine classification	
Marine classification association	
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
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
• as marking	Ex nA IIC T4 Gc
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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