SIEMENS

Data sheet

6GK5778-1GY00-0TB0

product type designation



W778-1 M12 EEC (USA)

IWLAN access point, SCALANCE W778-1 M12 EEC, 1 radio, 2 N-CON antenna port, iFeatures support via Key-Plug, IEEE 802.11a/b/g/h/n, 2.4/5 GHz, gross data rate 300 Mbps, 2x M12 max. 100 Mbps, PoE integrated 2-port switch, redundant 24 V DC, M12 A-coded IP65, -40...+75 °C, plug slot WPA2/802.11i/e,conformal coating EN 50155, EN45545, observe national approvals! CERT ID: MSN65-W1-M12-E2 Scope of delivery: Manuals on CD-ROM, German/English; M12 sealing caps, for operation in the USA

transfer rate • with WLAN / maximum • for industrial Ethernet • minimum • maximum 10 Mbit/s • for retwork components or terminal equipment • for power supply • for redundant voltage supply 1 * for retwork components or terminal equipment • for network components or terminal equipment • for power supply • for power supply • for termovable storage • c-P-LUG • Yes • kEY-P-LUG • Yes • littorfaces / wireless number of radio cards / permanently installed 1 transmission mode / for multiple input multiple output (MIMO) 2x2 number of spatial streams 2 number of spatial streams 2 number of spatial streams 2 number of electrical connections / for external antenna(s) 2 type of electrical connections / for external antenna(s) 2 type of electrical connection / for external antenna(s) 2 type of electrical connection / for external antenna(s) 4 N-Connect (socket) • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3arf consumed current • at DC / at 24 V / lypical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at for type 1 and IEEE802.4at for type 1 and IEE802.4at for type 1 and IEE802.4at f	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 redundant voltage supply 1 for redundant voltage supply 1 for network components or terminal equipment • for power supply M12 interface (4-pole, D-coded), PoE M12 interface (4-pole, A-coded) design of the removable storage • C-PLUG • KEY-PLUG • KEY-PLUG • KEY-PLUG • KEY-PLUG Interfaces (4-pole, A-coded) Ves • KEY-PLUG • Yes • C-PLUG • KEY-PLUG • Yes • KEY-PLUG Interfaces (4-pole, A-coded) Ves • Legislant of the removable storage • C-PLUG • KEY-PLUG • Yes • Legislant of the removable storage • C-PLUG • KEY-PLUG • Yes Interfaces (Wireless) number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spallal streams 2 number of electrical connections / for external antenna(s) 2 type of electrical connections / for external antenna(s) Ves supply voltage, current consumption, power loss supply voltage, current consumption, power loss supply voltage, current consumption, power loss supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af for 0.25 A • with Power-over-Ethernet according to IEEE802.3at for 0.25 A	transfer rate	
transfer rate / for Industrial Ethernet • minimum • maximum • maximum • morfacos number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-P-LUG • KEY-P-LUG • KEY-P-LUG • KEY-P-LUG • KEY-P-LUG • KEY-P-LUG • (Fession of the removable storage) • C-P-LUG • (Fession of the removable storage) • (Fessio	• with WLAN / maximum	300 Mbit/s
minimum maximum minimum minim	for Industrial Ethernet	10, 100 Mbit/s
maximum interfaces number of electrical connections of or network components or terminal equipment for power supply of or redundant voltage supply type of electrical connection of no network components or terminal equipment of or power supply M12 interface (4-pole, D-coded), PoE M12 interface (4-pole, D-coded) design of the removable storage o-C-PLUG KEY-PLUG Yes memory design of the removable storage o-C-PLUG KEY-PLUG Yes interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 2 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 of mom Power-over-Ethernet according to IEEE802.3at for type 1 at DC / at 24 V / typical of the coordinate of the supply voltage of the power-over-Ethernet according to IEEE802.3at for type 1 at 12 C / at 24 V / typical of the coordinate of the supply voltage of the power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at for type 1 and IEEE802.3at for type 1 at 24 V / typical of the coordinate of the supply voltage of the power-over-Ethernet according to IEEE802.3at for type 1 and IEE	transfer rate / for Industrial Ethernet	
Interfaces number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG * Yes * KEY-PLUG * Yes * KEY-PLUG * Yes * KEY-PLUG * Yes * NETO-PLUG • KEY-PLUG * Yes * Ves * Ves	• minimum	10 Mbit/s
number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 type of electrical connection • for network components or terminal equipment • for power supply for power supply • for power supply design of the removable storage • C-PLUG • KEY-PLUG * Yes • C-PLUG • KEY-PLUG * Yes • C-PLUG • KEY-PLUG * Yes • KEY-PLUG * Yes • C-PLUG • KEY-PLUG * Yes * Negranaently installed * transmission mode / for multiple input multiple output (MIMO) * 2x2 * number of spatial streams * 2 * 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 * supply voltage • for power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at for typ	• 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 design of the removable storage • C-P-LUG • KEY-P-LUG • KEY-P-L	interfaces	
• for power supply • for redundant voltage supply 1 type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG **MEY-PLUG **MEXP-PLUG	number of electrical connections	
• 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 memory design of the removable storage • C-PLUG • KEY-PLUG memory design of the removable storage • C-PLUG • KEY-PLUG memory design of the removable storage • C-PLUG • KEY-PLUG multiple of the removable storage • C-PLUG • KEY-PLUG multiple of the removable storage • C-PLUG • KEY-PLUG momory design of the removable storage • C-PLUG • KEY-PLUG Total of the supply installed transmission mode / for multiple input multiple output (MIMO) 2x2 number of spatial streams 2 number of spatial streams 2 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 • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.125 A • with Power-over-Ethernet according to IEEE802.3at for 0.125 A	 for network components or terminal equipment 	2
type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG Male storage • C-PLUG • KEY-PLUG * Yes * Male storage • C-PLUG • KEY-PLUG * Yes • KEY-PLUG * Yes * Male storage • C-PLUG • KEY-PLUG * Yes * Male storage • C-PLUG • KEY-PLUG * Yes * Male storage • C-PLUG • KEY-PLUG * Yes * Male storage • C-PLUG • KEY-PLUG * Yes * Male storage • C-PLUG • KEY-PLUG * Yes * Male storage • Male stora	for power supply	1
for network components or terminal equipment for power supply design of the removable storage C-PLUG KEY-PLUG memory design of the removable storage C-PLUG Yes interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 2x2 number of spatial streams 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 of more power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current output feature / external antennal external ex	for redundant voltage supply	1
for power supply design of the removable storage C-PLUG KEY-PLUG Yes KEY-PLUG design of the removable storage C-PLUG Yes KEY-PLUG design of the removable storage C-PLUG Yes KEY-PLUG for Net removable storage C-PLUG Yes KEY-PLUG interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 2 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 from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at for with Power-over-Ethernet according to IEEE802.3at for 1.25 A with Power-over-Ethernet according to IEEE802.3at for 0.125 A	type of electrical connection	
design of the removable storage • C-PLUG • KEY-PLUG remory design of the removable storage • C-PLUG • C-PLUG • C-PLUG • KEY-PLUG Yes • KEY-PLUG Yes interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 2 number of spatial streams 2 number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) yred vice supply voltage, current consumption, power loss type of voltage / of the supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for • with Power-over-Ethernet according to IEEE802.3at for • with Power-over-Ethernet according to IEEE802.3at for 0.125 A	 for network components or terminal equipment 	M12 interface (4-pole, D-coded), PoE
C-PLUG KEY-PLUG Yes memory design of the removable storage C-PLUG KEY-PLUG Yes interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 2 number of electrical connections / for external antenna(s) 2 type of electrical connection / for external antenna(s) yroduct feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for • with Power-over-Ethernet according to IEEE802.3at for • with Power-over-Ethernet according to IEEE802.3at for 0.125 A	• for power supply	M12 interface (4-pole, A-coded)
KEY-PLUG Yes design of the removable storage	design of the removable storage	
design of the removable storage • C-PLUG • KEY-PLUG interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams number of electrical connections / for external antenna(s) type 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 • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for with Power-over-Ethernet according to IEEE802.3at for 0.125 A	• C-PLUG	Yes
design of the removable storage • C-PLUG • KEY-PLUG interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.125 A	• KEY-PLUG	Yes
C-PLUG KEY-PLUG KEY-PLUG Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 2x2 number of spatial streams 2 number of electrical connections / for external antenna(s) 2 type of electrical connection / for external antenna(s) N-Connect (socket) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A with Power-over-Ethernet according to IEEE802.3at for 0.125 A	memory	
KEY-PLUG Yes Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A with Power-over-Ethernet according to IEEE802.3at for 0.125 A	design of the removable storage	
number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 2x2 number of spatial streams 2 number of electrical connections / for external antenna(s) 2 type of electrical connection / for external antenna(s) N-Connect (socket) product feature / external antenna can be mounted directly on device supply voltage, current consumption, power loss type of voltage / of the supply voltage of from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current of at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A of the supply voltage of the supply voltage on type 1 and IEEE802.3at for type 1 and IEEE802.3a	• C-PLUG	Yes
number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 2 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 of from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current o at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A	• KEY-PLUG	Yes
transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 of from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current of at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A	interfaces / wireless	
number of spatial streams 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 of from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A output 0.25 A 0.125 A	number of radio cards / permanently installed	1
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 • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.125 A	transmission mode / for multiple input multiple output (MIMO)	2x2
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 of from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current of at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A	number of spatial streams	2
product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss type of voltage / of the supply voltage of from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current of at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.125 A	number of electrical connections / for external antenna(s)	2
device supply voltage, current consumption, power loss type of voltage / of the supply voltage of the supply vo	type of electrical connection / for external antenna(s)	N-Connect (socket)
type of voltage / of the supply voltage supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.125 A		Yes
supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.25 A 0.125 A	supply voltage, current consumption, power loss	
• from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.25 A 0.125 A	type of voltage / of the supply voltage	DC
type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for 0.25 A 0.125 A	supply voltage	
 at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for 0.25 A 0.125 A 		48 V
with Power-over-Ethernet according to IEEE802.3at for 0.125 A	consumed current	
with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802 3at / typical 0.125 A	• at DC / at 24 V / typical	0.25 A
ιγρε τ απα τεμεσύζεισα / ιγρισα	 with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 	0.125 A
power loss [W]	power loss [W]	

-t DO / -t 04 \/ / t i l	OW
• at DC / at 24 V / typical	6 W
 with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 	6 W
supply voltage / 1	
• from M12 Power Connector (A-coded) for redundant	16.8 V
power supply	10.0 V
supply voltage / 2	
from M12 Power Connector (A-coded) for redundant	31.2 V
power supply	VI.2 V
ambient conditions	
ambient temperature	
during operation	-40 +75 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity / at 25 °C / without condensation / during	95 %
operation / maximum	33 /0
ambient condition / for operation	When used under hazardous conditions (Zone 2), the SCALANCE W778-1
	M12 or W738-1 M12 product must be installed in an housing with at least IP54
	degree of protection according to EN 60529 within the scope of EN 50021.
protection class IP	IP65
design, dimensions and weights	
width	140 mm
height	160 mm
depth	45 mm
width / of the enclosure / without antenna	140 mm
height / of the enclosure / without antenna	149 mm
depth / of the enclosure / without antenna	45 mm
net weight	0.95 kg
product feature / conformal coating	Yes
fastening method	35 mm DIN rail mounting only per accessories
S7-300 rail mounting	No
• S7-1500 rail mounting	No
35 mm top hat DIN rail mounting	Yes
·	
wall mounting	Yes
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	
•	Yes
product function / client Mode	Yes
·	
product function / client Mode	Yes
product function / client Mode number of SSIDs	Yes
product function / client Mode number of SSIDs product function	Yes 4
product function / client Mode number of SSIDs product function • iPCF Access Point	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
product function / client Mode number of SSIDs product function • iPCF Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG
product function / client Mode number of SSIDs product function	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF client • iPCF-MC Access Point • iPCF-MC client	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF client • iPCF-MC Access Point • iPCF-MC client number of iPCF-capable radio modules	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF client • iPCF-MC Access Point • iPCF-MC client	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF client • iPCF-MC Access Point • iPCF-MC dient number of iPCF-capable radio modules product function / iREF	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF client • iPCF-MC Access Point • iPCF-MC dient number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF client • iPCF-MC Access Point • iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC delient number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC dient number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client	Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC delient number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC dient number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC decess Point • iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client product function	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-INC Access Point • iPCF-MC Access Point • iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client product function • CLI	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client product function • CLI • web-based management	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client product function • CLI • web-based management • MIB support	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes
product function / client Mode number of SSIDs product function • iPCF Access Point • iPCF-MC Access Point • iPCF-MC decess Point • iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function / management, configuration, engineering number of manageable IP addresses / in client product function • CLI • web-based management • MIB support • TRAPs via email	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes

Forecast conting on IPA down with IMAAN Forecast conting on IPA Forecast conting	 operation with IWLAN controller 	No
Forced rearming on link down with IMLAN FORCE FO	•	No
→ MSS	 forced roaming on IP down with IWLAN 	Yes
protocol // is supported - Address Resolution Protocol (ARP) - CMP - CM	 forced roaming on link down with IWLAN 	Yes
- Address Resolution Prolocol (ARP)	• WDS	Yes
CIADP	protocol / is supported	
Teinet	 Address Resolution Protocol (ARP) 	Yes
HTTP HTTPS HTTPS OCP	• ICMP	Yes
HTTPS • TETP • TETP • CDCP • Yes • LLDP Identification & maintenance function • 1840 - Gevice-specific information • 1840 - Gevice-specific information • 1840 - Gevice-specific information • 1841 - Injent level designation/location designation product functions / disgnastics product functions / disgnastics product functions / disgnastics • PROFINET IO diagnasis • PROFINET IO	Telnet	Yes
TETP DCP DCP PCS DCP PCS CLICDP Yes clichtification & maintenance function Island - device-specific information PCS Island - device-specific information PCS Island - legither legither legither information PCS Island - legither	• HTTP	Yes
DCP	• HTTPS	Yes
DCP	• TFTP	Yes
LLDP Identification & maintenance function		
identification & maintenance function Nation National Nati		
I BAMD - device-specific information Yes Product functions / Idagnostics product function		
ALM - Higher level designation/location designation Yes		Yes
product functions / diagnostics product function PROFINET ID diagnosis Inix check No connection monitoring IP-Alive No localization via Aeroscout Yes SysLog protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN product functions / VLAN product function VLAN with IWLAN Product function / VLAN SNMP v2 SNMP v3 Product function / VLAN Product function / VLAN Product function / VLAN SNMP v3 SNMP v3 Product function / VLAN Product function / VLAN SNMP v3 Product function / VLAN SNMP v3 Product function / VLAN SNMP v3 SNMP v3 Product function / VLAN SNMP v3 SNMP v3 Product functions / Redundancy Product functions / Redundancy Product functions / Redundancy Product functions / Socurity Product function	•	
Product function PROFINET IO diagnosis Ves		165
Inlik check connection monitoring IP-Alive connection monitoring IP-Alive connection monitoring IP-Alive connection monitoring IP-Alive SysLog Protocol / is supported SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v2 SNMP v3 Yes Product functions / VLAN Product functions / VLAN Product function / VLAN Product function / VLAN Product function / DHCP Product function / PROPE DHCP Option 82 Yes Product functions / redundancy Protocol / is supported STP/RSTP SRSTP Yes SRSTP Yes Product functions / security Product functions / Security Product function / CACI-IP based SRSTP Product function according to IEEE802.111 Yes NATNAPT Access protection according to IEEE802.111 Yes Product functions / functions / Yes Protocol / is supported SSH SSH Yes Protocol / is supported SSH Yes Protocol / is supported SSH Yes Product functions / functions / Yes Protocol / is supported SSH Yes Protocol / is supported SSH Yes Product functions / functions / Yes Product functions / June Protocol / is supported SSH SNTP SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals		Vac
connection monitoring IP-Alive localization via Aeroscout Syst.0g yes syst.0g protocol / is supported SNMP v1 SNMP v2 SNMP v2 SNMP v3 yes south functions / VLAN product functions / VLAN product functions / VLAN product functions / DHCP product functions / PES DHCP option 82 yes DHCP option 82 yes DHCP option 82 yes product functions / PES NSTP NSTP NSTP NSTP Yes supported STP/RSTP ASTP yes product functions / Security product function ACL - MAC-based ACL - MAC-based NATT/MAPT access protection according to IEEE802.11i NATT/MAPT access protection according to IEEE802.11i yes protocol / is supported SH SH NATIVAES yes protocol / is supported SH SH NATIVAES yes protocol / is supported NTP SIMATIC time synchronization (SIMATIC Time) yes standards, specifications, approvale	-	
localization via Aeroscout		
protocol / is supported SNMP v1 SNMP v2 SNMP v3 Yes Troduct functions / VLAN product function function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 Yes Product functions / Supported STP/RSTP RSTP RSTP RSTP Product function ACL - MAC-based TRACL - MAC-		
• SNMP v1 • SNMP v2 • SNMP v2 • SNMP v3 product functions / VLAN product functions / VLAN product functions / DHCP - function VLAN with IWLAN - function V		Yes
• SNMP v2 • SNMP v3 • Yes • SNMP v3 • SNMP • SNMATIC time synchronization (SIMATIC Time) • Yes standards, specifications, approvals		
• SNMP v3 product functions / VLAN product function vLAN with IWLAN • function VLAN with IWLAN product functions / DHCP product function • DHCP client • DHCP server • DHCP Option 82 product functions / redundancy product functions / security product functions / security product functions / security product function • ACL - MAC-based • management security, ACL-IP based • management security, ACL-IP based • MEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11l • WPAWPA2 • NESP protocol / is supported • SSH • RADIUS product functions / security Product functions / security Prospection of the security Prospective functions / time Protocol / is supported • NTP • SNTP • SNTP • SIMATIC time synchronization (SIMATIC Time) Prospective functions / time protocol / is supported • SNT / Yes • SNTP • SIMATIC time synchronization (SIMATIC Time) Prospective functions / time protocol / is supported		
product function / VLAN product function		
product function • function VLAN with IWLAN • function VLAN with IWLAN product functions / DHCP product function • DHCP client • DHCP server • DHCP Option 82 product functions / redundancy protocol / is supported • STP/RSTP • MSTP • MSTP • RSTP product functions / security product functions / security product functions / security product function / • ACL - MAC-based • management security, ACL-IP based • MEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPA/WPA2 • TKIP/AES protocol / is supported • SSH • RADIUS • SSH • Yes • RADIUS product functions / time protocol / is supported • NTP • SNTP • SMATIC time synchronization (SIMATIC Time) ves standards, specifications, approvals		Yes
• function VLAN with IWLAN product functions of DHCP product function • DHCP client • DHCP client • DHCP poin 82 product functions / redundancy protocol / is supported • STP/RSTP • MSTP • MSTP • RSTP product functions / security product function • ACL - MAC-based • management security, ACL-IP based • IEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPA/WPA2 • TKIP/AES protocol / is supported • SSH • RADIUS • SSH • RADIUS • SNTP • SNTP • Yes • SNTP • SNTP • Yes • SNTP • Yes • SNTP • Yes • SNTP • SNTP • SNTP • SMMATIC time synchronization (SIMATIC Time) ves standards, specifications, approvals		
product function / DHCP product function	product function	
product function • DHCP client • DHCP server • DHCP potrion 82 Product functions / redundancy protocol / is supported • STP/RSTP • MSTP • MSTP • MSTP product functions / security product function • ACL - MAC-based • management security, ACL-IP based • IEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPAM/PA2 • TKIPI/AES protocol / is supported • SSH • RADIUS product functions / time protocol / is supported • SSH • NAD / Separation / Separat		Yes
DHCP client DHCP server DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP STP STP STP STP STP STP STP STP STP	product functions / DHCP	
DHCP server DHCP Option 82 Yes product functions / redundancy protocol / is supported STP/RSTP Yes MSTP Yes RSTP Yes Product functions / security product functions / security product function ACL - MAC-based management security, ACL-IP based yes ileEE 802.1x (radius) Yes NAT/NAPT access protection according to IEEE802.11i wPAWPA2 Kes TKIP/AES Yes protocol / is supported SSH RADIUS Product functions / time protocol / is supported NTP SMTP Yes SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	product function	
DHCP Option 82	DHCP client	Yes
product functions / redundancy protocol / is supported • STP/RSTP • MSTP • MSTP • RSTP Product functions / security product function • ACL - MAC-based • management security, ACL-IP based • lEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPA/WPA2 • TKIP/AES protocol / is supported • SSH • RADIUS product functions / time protocol / is supported • NTP • NTP • SNTP • SNTP • SNTP • SIMATIC time synchronization (SIMATIC Time) yes yes Yes Yes Yes Yes standards, specifications, approvals	DHCP server	Yes
protocol / is supported • STP/RSTP • MSTP • RSTP Product functions / security product function • ACL - MAC-based • management security, ACL-IP based • IEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPAWPA2 • TKIP/AES protocol / is supported • SSH • RADIUS Product functions / time protocol / is supported • NTP • NTP • SNTP • SNTP • SIMATIC time synchronization (SIMATIC Time) yes yes yes yes yes standards, specifications, approvals	DHCP Option 82	Yes
STP/RSTP MSTP MSTP RSTP Product functions / security product function ACL - MAC-based management security, ACL-IP based EEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES Protocol / is supported SSH RADIUS Product functions / time Protocol / is supported NTP NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) security Yes Yes Yes Yes Yes Standards, specifications, approvals	product functions / redundancy	
NSTP RSTP Yes product functions / security product function ACL - MAC-based Yes management security, ACL-IP based NAT/NAPT NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES Protocol / is supported SSH RADIUS product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	protocol / is supported	
RSTP Product functions / security product function ACL - MAC-based Management security, ACL-IP based Management security, ACL-IP based Management security, ACL-IP based Management security, ACL-IP based Messes security, ACL-IP based Messe	STP/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 • SNTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	• MSTP	Yes
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 • WPAWPA2 Yes • TKIP/AES Yes protocol / is supported • SSH Yes • RADIUS Yes product functions / time protocol / is supported • NTP • SNTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	• RSTP	Yes
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 • WPAWPA2 Yes • TKIP/AES Yes protocol / is supported • SSH Yes • RADIUS Yes product functions / time protocol / is supported • NTP • SNTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	product functions / security	
ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES Protocol / is supported SSH RADIUS Product functions / time protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) see A protocol / yes standards, specifications, approvals		
management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT Access protection according to IEEE802.11i WPAWPA2 TKIP/AES Protocol / is supported SSH RADIUS Product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		Yes
IEEE 802.1x (radius) NAT/NAPT Yes access protection according to IEEE802.11i Yes WPAWPA2 TKIP/AES Yes protocol / is supported SSH RADIUS product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals Yes Yes Yes Yes Yes Yes Yes Y	 management security, ACL-IP based 	
NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES Yes protocol / is supported SSH RADIUS product functions / time protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	•	
access protection according to IEEE802.11i WPA/WPA2 TKIP/AES Yes protocol / is supported SSH RADIUS product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	, ,	
WPA/WPA2 TKIP/AES TKIP/AES Protocol / is supported SSH RADIUS Product functions / time Protocol / is supported NTP NTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		
TKIP/AES protocol / is supported SSH RADIUS Product functions / time protocol / is supported NTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		
protocol / is supported SSH RADIUS Product functions / time protocol / is supported NTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		
SSH RADIUS Product functions / time protocol / is supported NTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals Yes Yes Yes Yes Yes		
RADIUS Product functions / time protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		Yes
product functions / time protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		
 NTP SNTP SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals 		
• SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals		Vac
SIMATIC time synchronization (SIMATIC Time) Yes standards, specifications, approvals		
standards, specifications, approvals		
		100
Standard		
	standard	

• for FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X
certificate of suitability	
EC Declaration of Conformity	Yes
• CE marking	Yes
• C-Tick	Yes
• E1 approval	Yes
railway application in accordance with EN 50155	Yes
railway application in accordance with EN 50121-4	Yes
• fire protection in accordance with EN 45545-2	Yes
NEMA TS2	No
• IEC 61375	No
• IEC 61850-3	No
NEMA4X Development for the state of the state o	No Yes
 Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af 	Yes
Power-over-Ethernet according to IEEE802.3at for type 2	Yes
standard for wireless communication	
• IEEE 802.11a	Yes
● IEEE 802.11b	Yes
● IEEE 802.11e	Yes
● IEEE 802.11g	Yes
● IEEE 802.11h	Yes
● IEEE 802.11i	Yes
• IEEE 802.11n	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) 	Yes
 French marine classification society (BV) 	Yes
DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS)	Yes
Royal Institution of Naval Architects (RINA)	Yes
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
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)
ast modified:	5/27/2023 🗗