SIEMENS

Data sheet

6GK5216-0HA00-2ES6

SCALANCE XP216EEC, managed IE switch, with railway approval (EN 50155, EN 45545); 12x 10/100 Mbps M12 ports, 4x 10/100/1000 Mbps M12 ports IP65, LED diagnostics, error signaling contact, Redundant power supply, PROFINET IO device, network management, operable in redundant ring, incl. dust caps, incl. electronic Manual on CD-ROM, C-plug optional



Product type designation	SCALANCE XP216EEC
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
 for network components or terminal equipment 	16
Number of 10/100 Mbit/s M12-ports (D-coded) / Integrated	12
Number of 10/100/1000 Mbit/s M12-ports (X-coded) / Integrated	4
Interfaces / other	
Number of electrical connections	
• for operator console	1
 for signaling contact 	1
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
 for operator console 	5 pin M12 socket (A coded)

 for signaling contact 	5-pin M12 connector (B-coded)
for power supply	4-pin M12 plug (A-coded)
design of the removable storage	
• C-PLUG	Yes
Signal inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
external / minimum	19.2 V
external / maximum	28.8 V
Supply voltage / 1 / Rated value	XP-200EEC with EN 50155 supports the voltage range 16.8 30 V DC
 Consumed current / 1 / at rated supply voltage / maximum 	0.4 A
Power loss [W] / 1 / Rated value	9.6 W
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	5 A / 60 V
Consumed current / maximum	0.335 A
Power loss [W]	
• at DC / at 24 V	8 W
Ambient conditions	
Ambient temperature	
during operation	-40 +70 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
• Note	EEC variants with EN 50155 support for 10 minutes: -40 $^{\circ}\text{C}$ +85 $^{\circ}\text{C}$
Relative humidity	
• at 25 °C / without condensation / during	95 %

Design, dimensions and weights	
Design	compact
Width	280 mm
Height	200 mm
Depth	49 mm

IP65

operation / maximum

Protection class IP

Net weight	2.5 kg
Product feature / conformal coating	Yes
Material / of the enclosure	Aluminum
Mounting type	ET200pro module carrier
wall mounting	Yes

Product features, product functions, product components / general	
Cascading in the case of a redundant ring / at	50
reconfiguration time of <\~0.3\~s	
Cascading in cases of star topology	any (depending only on signal propagation time)

Product functions / management, configuration, eng	lineering
• CLI	Yes
	Yes
web-based management MID surport	Yes
MIB support	Yes
• TRAPs via email	
Configuration with STEP 7	Yes
• RMON	Yes
Port mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
with IRT / PROFINET IO switch	No
 PROFINET IO diagnosis 	Yes
PROFINET conformity class	В
Product function / switch-managed	Yes
Telegram length / for Ethernet / maximum	1518 byte
Protocol / is supported	
● Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
 IGMP (snooping/querier) 	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes

 I&M1 – higher-level designation/location designation 	Yes
Product functions / Diagnostics	
Product function	
Port diagnostics	Yes
Statistics Packet Size	Yes
Statistics packet type	Yes
• Error statistics	Yes
SysLog	Yes
 loopback diagnostics 	Yes
Product functions / VLAN	
Product function	
 VLAN - port based 	Yes
 VLAN - protocol-based 	No
VLAN - IP-based	No
 VLAN dynamic 	No
Number of VLANs / maximum	4094
Product functions / DHCP	
Product function	
DHCP server	Yes
DHCP client	Yes
 DHCP Option 82 	Yes
 DHCP Option 66 	Yes
DHCP Option 67	Yes
Product functions / redundancy	
Product function	
 of the PROFINET IO device / is supported / PROFINET system redundancy (S2) 	Yes
Ring redundancy	Yes
 High Speed Redundancy Protocol (HRP) 	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
 high speed redundancy protocol (HRP) with standby redundancy 	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 of the PROFINET IO device / is supported / H- Sync forwarding 	Yes

Preduct functions / Security Product function / Security Produ	 redundancy procedure RSTP 	Yes
Product functions / Security Product function RADIUS client Protocol / is supported SSH SSL Product functions / time Product functions / time Product function SICLOCK support NTP client Protocol / is supported NTP client Protocol / is supported NTP SNTP Client Protocol / is supported NTP SNTP SNTP SNTP SYSTEM modification during operation Product function / configuration in RUN via CiR/H-CiR Standards. specifications. approvals Standard for FM for safety / from CSA and UL for hazardous zone for or emitted interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards. specifications, approvals / CE Certificate of suitability / RoHs conformity Yes Standards. specifications, approvals / Other Certificate of suitability / RoHs conformity Yes Standards. specifications, approvals / Other Certificate of suitability / RoHs conformity Yes	• redundancy procedure MSTP	Yes
Product function RADIUS client Protocol / is supported SSH SSL Product functions / time Product functions / time Product function SICLOCK support NTP-client SNTP client NTP SNTP Client NTP SNTP Protocol / is supported NTP SNTP Protocol / is supported NTP SNTP System modification during operation Product function / configuration in RUN via CIR/H-CIR System modification during operation Product function / configuration in RUN via CIR/H-CIR Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP, IIC, T4 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12:12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, B, C, D T4, CL. 1 / Zone 2 / GP, B, C, D T4, CL. 1 / Zone 2 / GP, B, C, D T4, CL. 1 / Zone 2 / GP, B, C, D T4, CL. 1 / Zone 2 / GP, BC,	Passive listening	Yes
Protocol / is supported SSH SSL Yes Product functions / time Product function / time Product function / time Product function / SICLOCK support SNTP-client SNTP client SNTP client SNTP client Yes Protocol / is supported NTP SNTP Yes System modification during operation Product function / configuration in RUN via CIRIH-CIR System modification during operation Product function / configuration in RUN via CIRIH-CIR System modification during operation Product function / configuration in RUN via CIRIH-CIR Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC, T4 FN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X for safety / from CSA and UL for hazardous zone / from CSA and UL for hazardous zone / from CSA and UL For emitted interference for interference immunity FN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Standards, specifications, approvals / other Certificate of suitability / ROHS conformity Yes Standards, specifications, approvals / other Certificate of suitability / ROHS conformity Yes	Product functions / Security	
Protocol / is supported SSH SSL Product functions / time Product functions / time Product functions / time Product function SICLOCK support NTP-client SNTP client Yes Protocol / is supported NTP SNTP Yes Protocol / is supported NTP SNTP Yes System modification during operation Product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC, T4 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-2 Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Standards, specifications, approvals / other Certificate of suitability / ROHS conformity Yes Standards, specifications, approvals / other Certificate of suitability / ROHS conformity Yes	Product function	
SSH SSL Yes Product functions / time Product function SICLOCK support SICLO	RADIUS client	Yes
SSL Product functions / time Product function SICLOCK support NTP-client SNTP client SNTP client NTP client NTP SNTP Yes SNTP Yes Yes Yes Yes Yes Yes Yes System modification during operation Product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 FM 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, IIC, T4 FM 61000-6-4 (Class A) FM 61000-6-2 Yes Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability C-Tick Yes	Protocol / is supported	
Product functions / time Product function SICLOCK support NTP-client SNTP client NTP client NTP client NTP client NTP client NTP yes Protocol / is supported NTP SNTP Yes System modification during operation Product function / configuration in RUN via CiR/H-CiR System modifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP, IIC, T4 FN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X for safety / from CSA and UL for hazardous zone / from CSA and UL for razardous zone / from CSA and UL for razardous zone / from CSA and UL for interference immunity FN 61000-6-4 (Class A) EN 61000-6-2 Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking / Yes Certificate of suitability / CE marking / Yes Standards, specifications, approvals / other Certificate of suitability / RoHS conformity / Yes Standards, specifications, approvals / other Certificate of suitability / RoHS conformity / Yes	• SSH	Yes
Product function SICLOCK support NTP-client SNTP client Yes Protocol / is supported NTP SNTP System modification during operation Product function / configuration in RUN via CiR/H- CiR Standard for FM for hazardous zone for safety / from CSA and UL for hazardous zone / from CSA and UL for emitted interference for emitted interference for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / Other Certificate of suitability / RoHS conformity Yes Yes Yes FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-2 Yes Standards, specifications, approvals / OE Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability C-Tick Yes	• SSL	Yes
SICLOCK support NTP-client SNTP client Yes Protocol / is supported NTP SNTP SNTP Yes Yes Yes Yes Yes System modification during operation Product function / configuration in RUN via CIR/H-CIR Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP, IIC, T4 For hazardous zone FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP, IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP, IIC, T4 FM 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP, A, B, C, D T4, CL. 1 / Zone 2 / GP, IIC, T4 FM 61000-6-4 (Class A) EN 61000-6-2 Yes Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability C-Tick Yes		
NTP-client SNTP client Yes Protocol / is supported NTP SNTP SNTP Yes System modification during operation Product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals Standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 • for hazardous zone • for safety / from CSA and UL • for safety / from CSA and UL • for emitted interference • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability • C-Tick Yes Yes Yes	Product function	
SNTP client Protocol / is supported NTP SNTP System modification during operation Product function / configuration in RUN via CiR/H-CiR Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 for hazardous zone FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T	 SICLOCK support 	Yes
Protocol / is supported • NTP • SNTP Yes System modification during operation Product function / configuration in RUN via CIR/H-CIR Standards, specifications, approvals Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / ROHS conformity Yes Yes Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	NTP-client	Yes
NTP SNTP Yes Yes System modification during operation Product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals Standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 • for hazardous zone FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 • for safety / from CSA and UL • for safety / from CSA and UL • for emitted interference • for interference immunity • for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / ROHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	SNTP client	Yes
System modification during operation Product function / configuration in RUN via CIR/H- CIR Standards, specifications, approvals Standard • for FM • for hazardous zone • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for emitted interference immunity • for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / ROHS conformity Yes Yes Yes Yes Yes Yes Yes Standards, specifications, approvals / other Certificate of suitability / ROHS conformity Yes Yes Yes	Protocol / is supported	
System modification during operation Product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals Standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) FM 61000-6-4 (Class A) Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	• NTP	Yes
Product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals Standard • for FM • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability • C-Tick Yes FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) Yes Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	• SNTP	Yes
Standards, specifications, approvals Standard • for FM • for hazardous zone • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for interference • for interference immunity • for interference immunity Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Standards, specifications, approvals / other Certificate of suitability • C-Tick FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC A, B. C. D / A, B. C. D		
Standard • for FM • for hazardous zone • for safety / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability • C-Tick FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC, T4 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 UL 60950-1, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Yes		Yes
Standard • for FM • for FM • for hazardous zone • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes		
FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 for hazardous zone		
GP. IIC, T4 For hazardous zone ofor safety / from CSA and UL ofor hazardous zone / from CSA and UL ofor hazardous zone / from CSA and UL ofor hazardous zone / from CSA and UL ofor emitted interference ofor interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity GP. IIC, T4 EN 60079-0: 2006, EN 600079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes		
of r safety / from CSA and UL of r hazardous zone / from CSA and UL of r hazardous zone / from CSA and UL of r emitted interference of r interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability oc-Tick Or ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Yes Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Yes Yes	Standard	
for hazardous zone / from CSA and UL	Standard	
GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 • for emitted interference	Standard ● for FM	GP. IIC, T4 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA
for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone	GP. IIC, T4 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL	GP. IIC, T4 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 /
Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A)
Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2
Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2
Standards, specifications, approvals / other Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes
Certificate of suitability • C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes
• C-Tick Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes
- 11-11	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Standards, specifications, approvals / other	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes
F1 approval Yes	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Standards, specifications, approvals / other	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Yes Yes
- · spp. 5161	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Standards, specifications, approvals / other Certificate of suitability	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Yes Yes
• E1 approval	Standard • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Standards, specifications, approvals / other Certificate of suitability	GP. IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X UL 60950-1, CSA C22.2 No. 60950-1 ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Yes Yes

Yes Railway application in accordance with EN Yes Railway application in accordance with EN 50124-1 Yes • Fire protection in accordance with EN 45545-2

Yes

Standards, specifications, approvals / marine classification

Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
Bureau Veritas (BV)	Yes
• DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes

Yes

Product extension / optional / C-PLUG

• to website: CAx Download Manager

Internet-Link

KC approval

• to website: Selector SIMATIC NET http://www.siemens.com/snst **SELECTION TOOL**

http://www.siemens.com/simatic-net • to website: Industrial communication

https://mall.industry.siemens.com • to website: Industry Mall

http://www.siemens.com/industry/infocenter • to website: Information and Download Center

• to website: Image database http://automation.siemens.com/bilddb http://www.siemens.com/cax

https://support.industry.siemens.com • to website: Industry Online Support

Security information

Security information

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last modified: 05/13/2020