SIEMENS

Data sheet

6GK5408-8GS00-2AM2



SCALANCE XM408-8C; managed modular IE switch; 8x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP; contains 8 combo ports; in total 8 ports can be used; expandable to 24 ports electrical or optical; assembly: DIN rail/S7 mounting rail, PROFINET IO device; redundancy functions; office features (RSTP, VLAN, IGMP,...); C-PLUG in scope of supply; layer 3 with Key-Plug plug available.

product type designation	SCALANCE XM408-8C
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
number of ports / maximum	24
interfaces / for communication / maximum configuration for mo	dular devices
number of electrical ports / maximum	24
number of electrical ports / with PoE / maximum	16
number of optical ports / maximum	24
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8; RJ45 with securing collar
number of 10/100/1000 Mbit/s RJ45 ports / integrated	
 with securing collar 	8
number of electrical connections	
for SFP	8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
number of combo ports / with RJ45 interface for optical plug-in transceiver	8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
number of connectable extender modules	2
interfaces / for communication / plug-in	
number of 10/100/1000 Mbit/s RJ45 ports	
 with securing collar 	16
 with securing collar / with PoE 	16
number of 100 Mbit/s LC ports	
for multimode	24
 for single mode (LD) 	24
 for single mode (LH+) 	24
• for single mode (ELH200)	24
number of 1000 Mbit/s LC ports	
• for multimode	24
 for single mode (LD) 	24
 for single mode (LH) 	24
 for single mode (LH+) 	24
 for single mode (ELH) 	24
number of electrical connections	
• for SFP	24; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
interfaces / other	
number of electrical connections	
 for operator console 	1
 for management purposes 	1
 for signaling contact 	1

• for power supply	1
type of electrical connection	
 for operator console 	RJ11
 for management purposes 	RJ45
for signaling contact	2-pole terminal block
number of extender expansion interfaces	2
design of the removable storage	
• C-PLUG	Yes
• C-PLUG/KEY-PLUG	Yes
product feature / hot-swappable interface modules	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE	
 per port / maximum 	30 W
total / maximum	360 W
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
 power loss [W] / 1 / rated value 	48 W
 supply voltage / 1 / rated value 	19.2 28.8 V
 consumed current / 1 / maximum 	2 A
 type of electrical connection / 1 / for power supply 	4-pole terminal block
 product component / 1 / fusing at power supply input 	Yes
ambient conditions	
ambient temperature	
during operation	-40 +70 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	11 20
	modular
design width	140 mm
height	140 mm
depth	125 mm
net weight	1.15 kg
fastening method	1. To Ny
35 mm top hat DIN rail mounting	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	
- or root fail mounting	Yes
product features, product functions, product components / good	Yes
product features, product functions, product components / gene	eral
product features, product functions, product components / gene cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	
cascading in the case of a redundant ring / at reconfiguration	eral
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology	50
cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\~s cascading in cases of star topology product functions / management, configuration, engineering	50
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function	50 any (depending only on signal propagation time)
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI	50 any (depending only on signal propagation time) Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management	50 any (depending only on signal propagation time) Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support	50 any (depending only on signal propagation time) Yes Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email	Yes Yes Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7	50 any (depending only on signal propagation time) Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON	50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring	50 any (depending only on signal propagation time) Yes Yes Yes Yes Yes Yes Yes Yes Yes

PROFINET IO diagnosis	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	9216 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	Yes
• 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
product functions / VLAN	
product function	
 VLAN - port based 	Yes
 VLAN - protocol-based 	Yes
VLAN - IP-based	Yes
VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / routing	
service / routing / note	IP routing in combination with KEY-PLUG XM-400
product function	
static IP routing	Yes
static IP routing IPv6	Yes
dynamic IP routing	Yes
dynamic IP routing IPv6	Yes
protocol / is supported	
• RIPv2	Yes
RIPnG for IPv6	Yes
OSPFv2	Yes
OSPFv3 for IPv6	Yes
• VRRP	Yes
VRRP for IPv6	Yes
product functions / redundancy	
product function	

T4• for safety / from CSA and ULUL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03• for emitted interferenceEN 61000-6-4 (Class A)• for interference immunityEN 61000-6-2MTBF28 areference code• according to IEC 81346-2KF• according to IEC 81346-2:2019KFEstandards, specifications, approvals / CEcertificate of suitability / CE markingYescertificate of suitability / RoHS conformityYes; 2011/65/EUstandards, specifications, approvals / hazardous environmentsEN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X		
• Figs Specific Relandancy Protocil (HRP) Yes • High Specific Relandancy Protocil (HRP) with redundancy manager Yes • India Relandancy Protocil (MRP) with standary related in the standary redundancy from the standary related in the standary related in the standary related in the standard relation of the supported / Media Relandancy Protocil (MRP) with redundancy manager Yes • India Relandancy protocil (MRP) with redundancy manager Yes Yes • India Relandancy protocil (MRP) with redundancy manager Yes Yes • India Relandancy protocil (MRP) with redundancy manager Yes Yes • India Relandancy protocil (MRP) with redundancy manager Yes Yes • India Relandary protocil (MRP) with redundancy manager Yes Yes • India Relandary protocil (MRP) Yes Yes • ACL - NorthAC-based Yes Yes		Yes
+ High Speed Redundancy Protocol (HRP) Yes • High Speed Redundancy protocol (HRP) with redundancy Yes • High Speed redundancy protocol (HRP) with redundancy Yes • media redundancy protocol (MRP) with redundancy Yes • media redundancy protocol (MRP) with redundancy Yes • media redundancy protocol (MRP) Yes • media redundancy protocol (MRP) Yes • media redundancy protocol (MRP) Yes • for a PROFINET To device / is supported / H-Sync Yes • redundancy protocol (MRP) Yes </td <td></td> <td>Yes</td>		Yes
• inji geset redundancy protocol (HRP) with redundancy manager Yes • inji geset redundancy protocol (MRP) with stanoty redundancy. Yes • media redundancy protocol (MRP) with redundancy manager Yes • Media Redundancy protocol (MRP) Yes • effectional family Yes • protocol / is supported Yes • ACL - AMC-based Yes • Still Colicity supported Yes • Still Colicity supported <td< td=""><td></td><td></td></td<>		
mings geef relundancy protocol (HRP) with standay Yes product function		
• high speed redundancy protocol (HRP) with standby Yes protocol // is supported / Media Redundancy Protocol (MRP) Yes protocol // is supported / Media Redundancy Yes • media redundancy protocol (MRP) with redundancy Yes • of the PC/DINET TO device / is supported / H-Sync Yes • redundancy procodure STP Yes • redundancy procodure STP Yes • redundancy procodure RSTP Yes • redundancy function Yes • redundancy function Yes • redundancy function Yes • redundancy function Yes <td></td> <td></td>		
product function • mode redundancy protocol (MRP) with redundancy • Media Redundancy Protocol Interconnection (MRP-1) • of the RPENET ID device / is supported (HSP) • redundancy procedure RSTP Yes • reduct functions / security Yes protocol / is supported Yes • SSH Yes • SSL Yes product function / security • SSL Yes <td></td> <td>Yes</td>		Yes
• media reductancy protocol (MRP) with redundancy manager Yes • Media Redundancy protocol Interconnection (MRP-4) Yes • of the PROFINET IO device / is supported / H-Sync Yes • redundancy procedure RSTP Yes • reduction / supported Yes • reduction / supported Yes • ACL - PMAC-based Yes • reduction / supported Yes • SSH Yes • SSL Yes product function Yes • SSL Yes product function Yes • SSL Yes * SSLCCK supported Yes • SNTP dient Yes </td <td>protocol / is supported / Media Redundancy Protocol (MRP)</td> <td>Yes</td>	protocol / is supported / Media Redundancy Protocol (MRP)	Yes
manager Media Redundancy Protocol Interconnection (MRP-1) Yes of the PROFINET IO device / is supported / H-Sync Yes forwarding Yes endundancy procedure STP Yes redundancy procedure MSTP Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes protocol // is supported Yes industry procedure MSTP Yes industry procedure MSTP Yes industry procedure MSTP Yes protocol // is supported Yes intel CE STS, (radius) Yes protocol // is supported Yes introl / function Yes protocol // is supported Yes introl / function Yes introl / function Yes introl / for safety / form CSA and UL Yes ifor mitherference immunity Yes ifor mitherference immunity Yes ifor mitherference immunity Yes ifor interference immunity Yes ifor interference	product function	
• of the PRCFINET IC device / is supported / H-Sync Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • protocol / is supported Yes • LACP Yes protocol / is supported Yes • ACL - MAC-based Yes • Dradease functions / security Yes protocol / is supported Yes • ACL - MAC-based Yes • Dradease functions / inse Yes protocol / is supported Yes • SSL Yes protocol / is supported Yes • SNTP client Yes • SNTP Yes standards _specifications _ approvals		Yes
forwarding Yes • redundancy procedure RSTP Yes • passive listening Yes • protect /is supported Yes • LACP Yes protect /is supported Yes • ACL - NortiMAC-based Yes • ACL - IntriAndo-based Yes • Test detail Yes • broadcast/multicast/induce/stased Yes • SNTP Yes • SNTP Yes • SNTP Yes • SNTP Yes • broadcast/multicastion Yes • broadcast/multicastion Yes • broadcastione/stase Yes • brodo	 Media Redundancy Protocol Interconnection (MRP-I) 	Yes
redundancy procedure RSTP Yes redundancy procedure RSTP+ Yes redundancy procedure RSTP Yes SSH Yes Yes		Yes
redundancy procedure RSTP+ redundancy procedure MSTP ves passive listering Yes protocol // is supported LACP Yes product functions / security product functions ACL - MAC-based Yes · ACL - MAC-based Yes · ACL - MAC-based Yes · ACL - AAC-based Yes · EEE 802.1x (radus) Yes ves · broadcast blocking Yes · SSH · SSH Yes · SSH · SSH	 redundancy procedure STP 	Yes
redundancy procedure MSTP yes passive listening Yes protocol / is supported LACP Yes product functions / security product function ACL - NotAC-based Yes ACL - NotAC-based Yes Ves Ves	 redundancy procedure RSTP 	Yes
• passive listening Yes protocol / is supported · • LACP Yes product functions / sourcity · product functions / sourcity · • ACL - MAC-based Yes • ACL - MAC-based Yes • ACL - MAC-based Yes • broadcast/multicast/milest limiter Yes • broadcast blocking Yes • broadcast blocking Yes • broadcast blocking Yes • SSL Yes • SSL Yes • SSL Yes • SICLOCK support Yes • SITH Yes * SITH Yes * SITH Yes * SITH Ye	 redundancy procedure RSTP+ 	Yes
protocol / is supported Yes • LACP Yes product functions / security product functions / security • ACL - profMAC-based Yes • ACL - profMAC-based Yes • IEEE 802.1x (radus) Yes • braadcast/multicast/unitast limiter Yes • braadcast/multicast/unitast limiter Yes • braadcast/multicast/unitast limiter Yes • braadcast/multicast blocking Yes protocol / is supported Yes • SSH Yes • SSL Yes product functions / fine Yes protocol / is supported Yes • NTP- client Yes • SNTP Yes System modification during operation Yes standards, specifications, approvals Standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4 • for safety / from CSA and UL UL 508, UL 60950-1, CSA C22 2. Nr. 60950-1-03 • for interference inmunity EN 61000-6-2 MTBF 28 a reference code * • according to IEC 81346-2 KF • according to IEC 81346-2 KF • according to IEC 81346-2 KF • according to IEC 81346-	 redundancy procedure MSTP 	Yes
• LACP Yes product functions / security	passive listening	Yes
product functions / security product function • ACL - MAC-based • ACL - MAC-based • EEE 802 1x (radus) • Ibradcast blocking protocol / is supported • SSH • SICLOCK support • SNTP • SNTP • SNTP * SNTP * SottPoleint • for remitide interference • for remitide interference • for remitide interference • for remitide interference • for interference immunity • Feference inde • according to IEC 81346-2 • according to IEC 81346-2 <td>protocol / is supported</td> <td></td>	protocol / is supported	
product function Yes • ACL - MAC-based Yes • ACL - MAC-based Yes • ACL - portMAC-based Yes • IEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • broadcast/multicast/unicast limiter Yes • broadcast/multicast/unicast limiter Yes • broadcast/multicast/unicast limiter Yes • protocol / is supported Yes • SSIL Yes product function Yes • SICL COK support Yes • SICL COK support Yes • NTP-client Yes • NTP Yes system modification during operation Yes product function / configuration in RUN via CIRH-CIR Yes standard FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4 • for rEM T4 • for antity from CSA and UL UL 508, UL 60950-1, CSA C22 2 Nr. 60950-1-03 • for interference immunity EN 61000-6-2 • for interference immunity KF standards, specifications, approvals / CE Yes • ecording to EC 81346-2 KF • scoording to EC 81346-2 KF • for interference immunity Yes Standards, specific		Yes
ACL - MAC-based Yes ACL - port/AAC-based Yes EEE 802.1x (radius) Yes broadcast blocking Yes broadcast blocking Yes protocol / is supported SSH Yes Yes yoduct function SSH Yes Yes	product functions / security	
ACL - portIMAC-based Yes IEEE 802.1x (radius) Yes Foreadcast blocking Yes broadcast blocking Yes broadcast blocking Yes protocol / is supported SSH Yes Yes Yes Yes SSH Yes Yes	product function	
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• broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported • SSL Yes Yes • SSL Yes Yes • SSL Yes Product functions / time product functions / time product function • SICLOCK support * SICLOCK support Yes • SITP client Yes • SNTP client Yes • SNTP client Yes • SNTP client Yes • SNTP client Yes * Source Client Client * NIP * Source Client * Source Client * Source Client * Source		
• broadcast blocking Yes protocol / is supported * • SSH Yes • SSL Yes product functions / time * product function * • SICL COCK support Yes • SICE COCK support Yes • SITP client Yes • NTP-client Yes • NTP Yes • SNTP Yes • SNTP Yes system modification during operation * product function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals * standards * • for FM Yes • for interference EN 61000-64 (Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III • for initerference immunity EN 61000-64 (Class A) • for interference immunity EN 61000-64 (Class A) • for		
protocol / is supported • SSH • SSH • SSL product functions / time product function • SICLOCK support • SICLOCK support • SICE DOCK support Yes system modification during operation product function / configuration in RUN via CIR/H-CIR Yes standard • for FM • for FM • for rFM • for remitted interference EN 61000-6-1, CSA C22.2 Nr. 60950-1-03 • for interference immunity EN 61000-6-2 MTBF reference code • according to IEC 81346-2 • KFE standards, specifications, approvals / CE certificate of suitability / Cells certificate of suitability / RoHS conformity Yes		
 SSH Yes SSL Yes SSL product functions / time product function SICLOCK support SICLOCK support SICLOCK support Yes SNTP-client Yes SNTP client Yes SNTP SNTP SNTP Yes System modification during operation product function / configuration in RUN via CIR/H-CIR Yes Standards, specifications, approvals standard for safety / from CSA and UL Grainterference EN 61000-6-2 MTBF 28 a reference code according to IEC 81346-2 KFE standards, specifications, approvals / CE certificate of suitability / RoHS conformity Yes standard / for hazardous zone Find CSA and UL Standard / for hazardous zone EN 60079-0; 2009, EN60079-15; 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATT O/145 X, IECRS 1/ 2009 X, IIC Agroup A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 		Yes
• SSL Yes product functions / time		
product functions / time product function • SICLOCK support Yes • NTP-client Yes • SNTP client Yes protocol / is supported Yes • NTP Yes source SNTP protocol / is supported Yes • NTP Yes system modification during operation Yes product function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals Standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III 14 UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 EN 61000-6-4 (Class A) EN 61000-6-2 MTBF 28 a reference code KFE standards, specifications, approvals / CE Certificate of suitability / RoHS conformity ves; 2011/65/EU standards, specifications, approvals / CE certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments Standards, specifications, approvals / Acadous environments standards, specifications, approvals / hazardous environments Standards, ICEX DEK 14,0025X </td <td></td> <td></td>		
product function SICLOCK support Yes SICP client SNTP client Yes SNTP client Yes SNTP Yes SNTP Yes SNTP Yes System modification during operation product function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4 for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 for interference EN 61000-6-4 (Class A) for interference immunity EN 61000-6-4 (Class A) for interference immunity EN 61000-6-2 MTBF 28 a reference code according to IEC 81346-2 KF according to IEC 81346-2 KFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Standard, specifications, approvals / hazardous environments standard / for hazardous zone ifrom CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C ofrom CSA and UL certificate of suitability 		Yes
 SICLOCK support NTP-client SNTP client SNTP client Yes SNTP protocol / is supported NTF Yes sonth SNTP Yes system modification during operation product function / configuration in RUN via CiR/H-CIR yes standards, specifications, approvals standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4 for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 EN 61000-6-4 (Class A) for interference EN 61000-6-2 MTBF 28 a reference code according to IEC 81346-2 KF according to IEC 81346-2 KF according to IEC 81346-2 KF standards, specifications, approvals / CE certificate of suitability / CE marking Yes certificate of suitability / CE marking Yes certificate of suitability / NoHS conformity Yes standard / for hazardous zone ISA 0079-0; 2009, EN60079-15; 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 A TT 0145 X, IECEX DEK 14,0025X from CSA and UL ISA 12,12,01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group A, B, C O / T4, Class 1 / Zone 2 / Group A, B, C 		
NTP-client Yes SNTP client Yes SNTP client Yes SNTP client Yes SNTP SNTP Yes SNTP Yes SNTP Yes SNTP Yes SNTP Yes SNTP Yes Sont Sont SNTP Yes Sont		Ver
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protocol / is supported NTP SNTP Yes system modification during operation product function / configuration in RUN via CiR/H-CiR Yes standards, specifications, approvals standard for FM for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 for interference EN 61000-6-4 (Class A) for interference immunity EN 61000-6-2 MTBF 28 a reference code according to IEC 81346-2 KFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes; 2011/65/EU standards, specifications, approvals / LEC certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / Lazardous environments standard / for hazardous zone Finder X + 1.0025X EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEX 14.0025X from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 certificate of suitability 		
• NTP Yes • SNTP Yes system modification during operation		
SNTP Yes system modification during operation product function / configuration in RUN via CIR/H-CIR for EX standards, specifications, approvals standard for FM		Vec
system modification during operation product function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals standard • for FM • for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 • for emitted interference EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF 28 a reference code . • according to IEC 81346-2 KF • according to IEC 81346-2 KF standards, specifications, approvals / CE . certificate of suitability / CE marking Yes; 2011/65/EU standards, specifications, approvals / hazardous environments . standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK T4.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		
product function / configuration in RUN via CiR/H-CiR Yes standards, specifications, approvals standards standard • for FM • for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03 • for emitted interference EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF 28 a reference code • according to IEC 81346-2 • according to IEC 81346-2 KF • according to IEC 81346-2 KF • according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking ves; 2011/65/EU standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0; 2009, EN60079-15; 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 certificate of suitability Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		
standards, specifications, approvals standard • for FM • for safety / from CSA and UL • for emitted interference • for interference immunity • for interference immunity EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF reference code • according to IEC 81346-2 KF • according to IEC 81346-2 KFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes; 2011/65/EU standards, specifications, approvals / hazardous environments standard / for hazardous zone e from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		Yes
standard for FM for safety / from CSA and UL for emitted interference for interference immunity EN 61000-6-4 (Class A) EN 61000-6-2 MTBF 28 a reference code KFE according to IEC 81346-2 KF according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE ves; 2011/65/EU certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X of from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		
• for FMFM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III T4• for safety / from CSA and ULUL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03• for emitted interferenceEN 61000-6-4 (Class A)• for interference immunityEN 61000-6-2MTBF28 areference code• according to IEC 81346-2KF• according to IEC 81346-2:2019KFEstandards, specifications, approvals / CEcertificate of suitability / CE markingYescertificate of suitability / RoHS conformityYes; 2011/65/EUstandard, specifications, approvals / hazardous environmentsstandard / for hazardous zoneEN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 A TE 0145 X, IECEx DEK 14.0025X• from CSA and ULISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4certificate of suitabilityForour C A and UL		
• for emitted interference EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF 28 a reference code KF • according to IEC 81346-2 KF • according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE KFE certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 certificate of suitability ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for emitted interference EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 MTBF 28 a reference code KF • according to IEC 81346-2 KF • according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE En 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEX DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4	 for safety / from CSA and UL 	UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
• for interference immunity EN 61000-6-2 MTBF 28 a reference code 28 a • according to IEC 81346-2 KF • according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE KFE certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4	-	
MTBF 28 a reference code KF • according to IEC 81346-2 KF • according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE E certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4		
e according to IEC 81346-2:2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X e from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4	reference code	
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certificate of suitability / CE marking Yes certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 certificate of suitability Image: Comparison of the compari	 according to IEC 81346-2:2019 	KFE
certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATE 0145 X, IECEx DEK 14.0025X • from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4 certificate of suitability Image: Comparison of the comparison	standards, specifications, approvals / CE	
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from CSA and UL if from CSA and UL if from CSA and UL is A 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C D / T4, Class 1 / Zone 2 / Group IIC / T4	standards, specifications, approvals / hazardous environments	
D / T4, Class 1 / Zone 2 / Group IIC / T4	standard / for hazardous zone	EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X, IECEx DEK 14.0025X
	• from CSA and UL	ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
CCC / for hazardous zone according to GB standard Yes		
	 CCC / for hazardous zone according to GB standard 	Yes

• CCC / for hazardous zone according to GB standard / as
marking

Ex nA IIC T4 Gc

marking	
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
KC approval	Yes
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
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
 Royal Institution of Naval Architects (RINA) 	Yes
further information / internet links	
internet link	
 to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
 to website: Industrial communication 	http://www.siemens.com/simatic-net
 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
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