SIEMENS

Data sheet

6GK5308-2GG00-2AA2



SCALANCE X308-2M; managed IE switch, compact; 4x 10/100/1000 Mbit/s for RJ45 ports electrical; 2x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set button; PROFINET IO device; network management; Integrated redundancy manager; office features (RSTP, VLAN, IGMP,...); C-plug in scope of delivery

Product type designation	SCALANCE X308-2M
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 	4
Number of 10/100/1000 Mbit/s RJ45 ports / Integrated	
with securing collar	4
Number of connectable media modules	
• with 2 ports	2
Interfaces / other	
Number of electrical connections	
for signaling contact	1
• for media module	2
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	

• fan einnelling anderst	2 note terminal block
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
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 supply / redundant power supply unit	No
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
external / minimum	18 V
• external / maximum	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	F 3 A / 32 V
Consumed current / maximum	0.7 A
Power loss [W]	
• at DC / at 24 V	16.6 W
Ambient conditions	
Ambient temperature	
during operation	-40 +70 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
Note	Reduced operating temperature through the use of media
Holo	modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to
	+60 °C). If the device is installed in the vertical position, the
	maximum operating temperature is reduced to +50 °C.
Relative humidity	
 at 25 °C / without condensation / during 	95 %
operation / maximum	
Protection class IP	IP20
Design, dimensions and weights	
Design	compact
Width	120 mm
Height	125 mm
Depth	124 mm
Net weight	1.4 kg
Mounting type	When used in shipbuilding, installation on a 35 mm standard
	mounting rail is not permitted.

• 19-inch installation	No
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No

Product features, product functions, product components / general			
Cascading in the case of a redundant ring / at 100			
reconfiguration time of <\~0.3\~s			
Cascading in cases of star topology any (depending only on signal propagation time)			

Product functions / management, configuration, engineering Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Protocol / is supported • Telnet • HTTP • HTTPS • HTTPS • FTP • BOOTP • GMRP • DCP POSS • CLI Yes Yes Yes Yes Yes Yes Yes Ye	
CLI web-based management MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring multiport mirroring Cos PROFINET IO diagnosis Product function / switch-managed Telnet Telnet HTTP HTTP HTTP HTTP FTP BOOTP BMRP Yes Yes Yes Yes Yes Yes Yes Ye	
 web-based management MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring Multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Telnet Telnet HTTP HTTPS TFTP FTP BOOTP GMRP Yes 	
 MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Telnet HTTP HTTPS TFTP FTP BOOTP GMRP 	
 TRAPs via email Configuration with STEP 7 RMON Port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Telnet Telnet HTTP HTTPS TFTP FTP BOOTP GMRP 	
 Configuration with STEP 7 RMON Port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class PROduct function / switch-managed Protocol / is supported Telnet HTTP HTTPS TFTP FTP BOOTP GMRP 	
 RMON Port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Protocol / is supported Telnet HTTP HTTPS TFTP FTP BOOTP GMRP 	
 Port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Protocol / is supported Telnet HTTP HTTPS TFTP BOOTP GMRP 	
 multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class Product function / switch-managed Protocol / is supported Telnet HTTP HTTPS TFTP FTP BOOTP GMRP Yes Yes 	
 CoS Yes PROFINET IO diagnosis Yes PROFINET conformity class B Product function / switch-managed Yes Protocol / is supported ↑ Telnet ↑ HTTP ↑ HTTPS ↑ TFTP ↑ FTP ↑ FTP ↑ BOOTP ↑ GMRP 	
● PROFINET IO diagnosis Yes PROFINET conformity class B Product function / switch-managed Yes Protocol / is supported Yes ● HTTP Yes ● HTTPS Yes ● TFTP Yes ● BOOTP Yes ● GMRP Yes	
PROFINET conformity class Product function / switch-managed Protocol / is supported • Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • GMRP B Yes Yes Yes Yes Yes Yes Yes	
Product function / switch-managed Protocol / is supported Telnet HTTP HTTPS TFTP FTP BOOTP GMRP Yes Yes Yes Yes Yes Yes Yes Ye	
Protocol / is supported ● Telnet Yes ● HTTP Yes ● HTTPS Yes ● TFTP Yes ● BOOTP Yes ● GMRP Yes	
 Telnet HTTP HTTPS TFTP FTP BOOTP GMRP Yes Yes Yes Yes Yes Yes Yes Yes 	
 HTTP HTTPS Yes TFTP FTP BOOTP GMRP Yes Yes Yes Yes Yes 	
 HTTPS TFTP FTP BOOTP GMRP Yes Yes Yes Yes Yes 	
 ◆ TFTP ◆ FTP ◆ BOOTP ◆ GMRP Yes Yes Yes 	
 FTP BOOTP GMRP Yes Yes Yes 	
BOOTPGMRPYesYes	
• GMRP Yes	
• DCP Yes	
- 501	
• LLDP 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 Yes designation	

Product function Port diagnostics Statistics Packet Size Statistics packet type Firor statistics SysLog Product functions / VLAN	
 Statistics Packet Size Statistics packet type Error statistics SysLog Yes Yes Yes Yes Yes 	
 Statistics packet type Error statistics SysLog Yes Yes Yes 	
 Error statistics SysLog Yes Yes 	
• SysLog Yes	
Cyclog	
Product functions / VLAN	
Product function	
• VLAN - port based Yes	
• VLAN - protocol-based No	
• VLAN - IP-based No	
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 / redundancy	
Product function	
• Ring redundancy Yes	
High Speed Redundancy Protocol (HRP) Yes	
 high speed redundancy protocol (HRP) with redundancy manager 	
 high speed redundancy protocol (HRP) with standby redundancy 	
Protocol / is supported / Media Redundancy Protocol Yes (MRP)	
Product function	
 media redundancy protocol (MRP) with Yes redundancy manager 	
• redundancy procedure STP Yes	
• redundancy procedure RSTP Yes	
• redundancy procedure MSTP Yes	
 Parallel Redundancy Protocol (PRP)/operation Yes in the PRP-network 	

Protocol /s supported STP/RSTP STP STP STP RSTP STP PRSTP PRSTP STP PRSTP PRODUCT functions / Security Product function ACL - MAC-based ACL - port/MAC-based ACL - port/MAC-based Product function STB Product function Product function Product function ACL - Mac-based ACL - port/MAC-based Press STB Product functions Product function Product function Product function Product function Product function Product function Product functions Product functions Product functions Product functions Product functions STB Product functions Product functions STB Product functions Product functions Product functions Product functions Product function SICLOCK support Product function SICLOCK support Product functions Product functions Product functions Product function SICLOCK support Product function SICLOCK support Product function Product function SICLOCK support Product functions SICLOCK support SICLOCK support Product functions SICLOCK support Product functions SICLOCK support Product functions SICLOCK support Product functions SICLOCK support S	 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
• STP	Passive listening	Yes
• STP • RSTP • RSTP • RSTP • RSTP Yes • MSTP • RSTP big network support • LACP Product functions / Security Product function • ACL - MAC-based Yes • ACL - port/MAC-based Yes • ACL - port/MAC-based Yes • ACL - port/MAC-based Yes • EBroadcast/Multicast/Unicast Limiter Yes • broadcast blocking Yes • broadcast blocking Yes Product function / Stepported • SSH Yes Product function / SICLOCK support • SSH Yes Standard • for FM • for hazardous zone Fmm CSA and UL • for hazardous zone / fmm CSA and UL • for hazardous zone / fmm CSA and UL • for emitted interference • for interference immunity MTBF MISTP • Standards, specifications, approvals / CE Standards, specifications, approvals / CE Standards, specifications, approvals / CE	Protocol / is supported	
RSTP MSTP MSTP RSTP big network support LACP Product functions / Security Product function ACL - MAC-based ACL - port/MAC-based REE 802.1x (radius) Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Product functions / time Product function SICLOCK support Protocol / is supported SSH Yes Product functions / time Product function SICLOCK support Protocol / is supported NTP SNTP SNTP SNTP IEEE 1588 profile default FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group 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 FM 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 1045X UL 60950-1, CSA C22.2 No. 60950-1 UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 For emitted interference For interference immunity EN 61000-6-2:2005 MTBF Standards, specifications, approvals / CE	• STP/RSTP	Yes
	• STP	Yes
RSTP big network support LACP Product functions / Security Product function ACL - MAC-based ACL - port/MAC-based ACL - port/MAC-based EEE 802.1x (radius) Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Product functions / time Product functions / time Product functions / time Protocol / is supported SICLOCK support NTP SICLOCK support NTP SICLOCK support Frotocol / is supported NTP SITP SITP IEEE 1588 profile default FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Gr	• RSTP	Yes
Product functions / Security Product function ACL - MAC-based Yes ACL - port/MAC-based Yes Broadcast/Multicast/Unicast Limiter Yes Protocol / is supported SSH Yes Product functions / time Product functions / time Product function Yes Protocol / is supported NTP Yes SICLOCK support Yes SICLOCK support Yes Protocol / is supported NTP Yes SITP Yes SITP Yes SITP Yes Standards, specifications, approvals Standard Of FM FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 2 / Group A, B, C, D / T4, Class 1 / Zone 2	• MSTP	Yes
Product functions / Security Product function ACL - MAC-based ACL - port/MAC-based Froadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Product functions / time Product functions / time Product functions / time Product function SICLOCK support Protocol / is supported NTP SNTP IEEE 1588 profile default Yes 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 or interference immunity MTBF Mes Yes Yes Yes Yes Product function Yes Product functions / time Yes Product functions / time Yes Yes Product functions / time Yes Product functio	 RSTP big network support 	Yes
Product function ACL - MAC-based ACL - port/MAC-based Pres Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Product functions / time Product function SICLOCK support Protocol / is supported NTP SITP IEEE 1588 profile default Standards, specifications, approvals Standard for FM For hazardous zone for hazardous zone / from CSA and UL for hazardous zone / from CSA and UL for emitted interference for emitted interference for interference immunity MTBF Aves Yes Yes Yes Yes Yes Product function / Yes Yes Product functions / time Yes Yes Product function / Yes Pro	• LACP	Yes
ACL - MAC-based ACL - port/MAC-based Per Ses Reference of Product functions / time Product functions / time Protocol / is supported SILOCK support Protocol / is supported NTP SINTP SINTP Reference of Profile default Standards, specifications, approvals Standard For hazardous zone For safety / from CSA and UL For hazardous zone / from CSA and UL For emitted interference For continuements For emitted interference For interference immunity MTBF Aves Yes Yes Yes Yes Yes Yes Product functions / time Yes Yes Yes Yes Yes Product functions / time Yes Yes Product functions / time Yes Yes Yes Yes Yes Standard of Site of	· · · · · · · · · · · · · · · · · · ·	
ACL - port/MAC-based IEEE 802.1x (radius) Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Yes Product functions / time Product function SICLOCK support Protocol / is supported NTP SNTP IEEE 1588 profile default Yes Standards, specifications, approvals Standard for FM for hazardous zone for hazardous zone / from CSA and UL for emitted interference for or emitted interference for interference immunity MTBF Mes Yes Yes Yes Yes Yes Yes Yes		
IEEE 802.1x (radius) Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Yes Product functions / time Product function SICLOCK support Protocol / is supported NTP SNTP SNTP IEEE 1588 profile default Yes Standards, specifications, approvals Standard for FM for hazardous zone for hazardous zone / from CSA and UL for hazardous zone / from CSA and UL for emitted interference for interference immunity MTBF Mes Yes Yes Yes Yes Yes Yes Yes		
Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported SSH Product functions / time Product function SICLOCK support Protocol / is supported NTP SICLOCK support Protocol / is supported NTP SNTP SNTP EEE 1588 profile default Yes Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 for hazardous zone 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 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 emitted interference for interference immunity EN 61000-6-2:2005 MTBF 40 y Standards, specifications, approvals / CE	·	
broadcast blocking Protocol / is supported		
Protocol / is supported SSH Product functions / time Product function SICLOCK support Protocol / is supported NTP SICLOCK support NTP SNTP SNTP IEEE 1588 profile default Yes Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 for hazardous zone FM 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X IEEE 1588 profile default UL 60950-1, CSA C22.2 No. 60950-1 UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 FM 6000-6-4:2007 (Class A) FM 6000-6-2:2005 MTBF 40 y Standards, specifications, approvals / CE		
Product functions / time Product function SICLOCK support Protocol / is supported NTP SNTP SNTP IEEE 1588 profile default Yes 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 interference immunity FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group 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 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 for emitted interference for interference immunity EN 61000-6-4:2007 (Class A) EN 61000-6-2:2005 MTBF 40 y Standards, specifications, approvals / CE		Yes
Product functions / time Product function • SICLOCK support Protocol / is supported • NTP • SNTP • SNTP • IEEE 1588 profile default Standard • for FM • 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 MTBF Protocol / is supported Yes Yes Yes Yes Standard • Yes FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group 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 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 EN 61000-6-4:2007 (Class A) EN 61000-6-2:2005 MTBF 40 y Standards, specifications, approvals / CE		
Product function SICLOCK support Protocol / is supported NTP SNTP SNTP IEEE 1588 profile default Yes Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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, Zon	• SSH	Yes
SICLOCK support Protocol / is supported NTP SNTP SINTP IEEE 1588 profile default Standard for FM for hazardous zone for hazardous zone / from CSA and UL Standards, specifications, approvals / CE Standards, specifications, approvals / CE		
Protocol / is supported NTP SNTP SNTP IEEE 1588 profile default Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 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,		
 NTP SNTP IEEE 1588 profile default Yes Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 for hazardous zone for hazardous zone for safety / from CSA and UL for hazardous zone / from CSA and UL for interference for emitted interference for interference immunity EN 61000-6-4:2007 (Class A) Standards, specifications, approvals / CE Standards, specifications, approvals / CE		Yes
SNTP IEEE 1588 profile default Yes Standards, specifications, approvals Standard for FM FM3611: Class 1, Divison 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 FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group 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 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 for emitted interference for interference immunity EN 61000-6-2:2005 MTBF Standards, specifications, approvals / CE		Vas
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2, Group IIC, T4 EN 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 UL 60950-1, CSA C22.2 No. 60950-1 UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 • for emitted interference FN 61000-6-4:2007 (Class A) • for interference immunity MTBF 40 y Standards, specifications, approvals / CE		
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213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 • for emitted interference • for interference immunity EN 61000-6-4:2005 MTBF 40 y Standards, specifications, approvals / CE	• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
● for interference immunity EN 61000-6-2:2005 MTBF 40 y Standards, specifications, approvals / CE	• for hazardous zone / from CSA and UL	213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
MTBF 40 y Standards, specifications, approvals / CE	• for emitted interference	
Standards, specifications, approvals / CE		
	MTBF	40 y
Certificate of suitability / CE marking Yes		
	Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / other Certificate of suitability EN 61000-6-2:2005, EN 61000-6-4:2007 • C-Tick Yes • Railway application in accordance with EN 50155 • KC approval Yes

Standards, specifications, approvals / marine classification

Marine classification association			
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes		
Bureau Veritas (BV)	Yes		
Det Norske Veritas (DNV)	No		
 Germanische Lloyd (GL) 	No		
• 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

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• to website: Selector SIMATIC NET

SELECTION TOOL

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

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

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Security information

Security information

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last modified:

05/13/2020