## **SIEMENS**

## Data sheet

## 6GK5308-2FM10-2AA3

d P d d

SCALANCE X308-2LD, managed plus IE switch, 2x 1000 Mbit/s SM SC, 1x 10/100/1000 Mbit/s, 7x 10/100 Mbit/s RJ45 ports, LED diagnostics, error signaling Contact with select/set button, PROFINET IO device, network management, Integrated redundancy manager, office features (RSTP, VLAN, IGMP,..) C-plug in scope of delivery

Figure similar

Product type designation	SCALANCE X308-2LD
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	8
Number of 10/100 Mbit/s RJ45 ports / Integrated	
• with securing collar	7
Number of 10/100/1000 Mbit/s RJ45 ports /	
Integrated	
<ul> <li>with securing collar</li> </ul>	1
Number of 1000 Mbit/s SC ports	
• for single mode (LD)	2
Interfaces / other	
Number of electrical connections	
<ul> <li>for signaling contact</li> </ul>	1



<ul> <li>for redundant voltage supply</li> <li>Type of electrical connection</li> <li>for signaling contact</li> <li>chor signaling contact</li> <li>chor power supply</li> <li>design of the removable storage</li> <li>cPLUG</li> <li>Yes</li> <li>Signal input/soutputs</li> <li>Operating voltage / of the signaling contacts</li> <li>at DC / Rated value</li> <li>24 V</li> <li>Operating voltage / of the signaling contacts</li> <li>at DC / Rated value</li> <li>Operating voltage (current consumption, power loss</li> <li>Type of voltage supply / redundant power supply unit</li> <li>No</li> <li>Type of voltage (or for supply voltage</li> <li>external</li> <li>external</li> <li>external / minimum</li> <li>at DC / at 24 V</li> <li>Consumed current / maximum</li> <li>Arabient temperature</li> <li>during operation</li> <li>40 +60 °C</li> <li>during portage</li> <li>40 +70 °C</li> <li>Relative humidity</li> <li>ext 27 °C / without condensation / during operation / maximum</li> <li>Protection class IP</li> <li>IP30</li> </ul>	• for power supply	1
Type of electrical connection       2-pole terminal block         • for signaling contact       4-pole terminal block         design of the removable storage       -         • C-PLUG       Yes         Signal inputs/outputs       24 V         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 / of the supply voltage       F3 A / 32 V         Consumed current / maximum       0.4 A         Power loss [W]       eat DC / at 24 V		
• for signaling contact       2-pole terminal block         • for power supply       4-pole terminal block         design of the removable storage       • C-PLUG         • C.PLUG       Yes         Signal inputs/outputs       24 V         Operating voltage / of the signaling contacts       • at DC / Rated value         • at DC / maximum       0.1 A         Supply voltage, current consumption, power loss       • at DC / maximum         Type of voltage i of the supply voltage       DC         Supply voltage / of the supply voltage       F3 A / 32 V         Consumed current / maximum       0.4 A         Power loss [W]       • at DC / at 24 V         • at DC / at 24 V <t< td=""><td>÷,</td><td>2</td></t<>	÷,	2
• for power supply     4-pole terminal block       design of the removable storage     • C-PLUG       Signal inputs/outputs     Yes       Operating voltage / of the signaling contacts     • at DC / Rated value       • at DC / maximum     0.1 A       Supply voltage, current consumption, power loss     0.1 A       Type of voltage supply / redundant power supply unit     No       Type of voltage supply voltage     DC       Supply voltage     24 V       • external     24 V       • external / minimum     18 V       • external / minimum     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     0.4 A       Power loss [W]     • at DC / at 24 V       • at DC / at 24 V     9.6 W       Ambient temperature     -40 +60 °C       • during operation     -40 +70 °C       Relative humidity     • at 25 °C / without condensation / during operation / maximum       Protection class IP     IP30		2 note to main all block
design of the removable storage       Yes         Signal inputs/outputs       Operating voltage / of the signaling contacts       24 V         Operating current / of the signaling contacts       0.1 A         Supply voltage, current consumption, power loss       0.1 A         Supply voltage supply / redundant power supply unit       No         Type of voltage supply / redundant power supply unit       No         Type of voltage supply / redundant power supply unit       No         Supply voltage       DC         Supply voltage       F 3 A / 32 V         Consumed current / fusing at power supply input       Yes         * at DC / at 24 V		
• C-PLUG       Yes         Signal inputs/outputs       Operating voltage / of the signaling contacts       24 V         • at DC / Rated value       24 V         Operating current / of the signaling contacts       0.1 A         • at DC / maximum       0.1 A         Supply voltage, current consumption, power loss       Type of voltage supply / redundant power supply unit         Type of voltage / of the supply voltage       DC         Supply voltage       external         • 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       0.4 A         Power loss [W]       9.6 W         Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         • during storage       -40 +70 °C         Relative humidity       95 %         • operation / maximum       IP30		4-pole terminal block
Signal inputs/outputs         Operating voltage / of the signaling contacts         • at DC / Rated value       24 V         Operating current / of the signaling contacts       0.1 A         Supply voltage, current consumption, power loss       0.1 A         Type of voltage supply / redundant power supply unit       No         Type of voltage / of the supply voltage       DC         Supply voltage       24 V         • external       24 V         • 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       0.4 A         Power loss [W]       9.6 W         Ambient temperature       40 +60 °C         • during torage       40 +70 °C         • during torage       40 +70 °C         • during tansport       40 +70 °C         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30         Design, dimensions and weights       IP30		
Operating voltage / of the signaling contacts       24 V         Operating current / of the signaling contacts       0.1 A         Supply voltage. current consumption, power loss       0.1 A         Type of voltage supply / redundant power supply unit       No         Type of voltage / of the supply voltage       DC         Supply voltage       24 V         • external       0.1 A         external / minimum       18 V         • external / maximum       22 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       0.4 A         Power loss [W]       0.4 A         • at DC / at 24 V       9.6 W         Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       • at 25 °C / without condensation / during operation / during operation / maximum         Protection class IP       IP30	● C-PLUG	Yes
• at DC / Rated value       24 V         Operating current / of the signaling contacts       0.1 A         • at DC / maximum       0.1 A         Supply voltage, current consumption, power loss       Type of voltage supply / redundant power supply unit         Type of voltage / of the supply voltage       DC         Supply voltage / of the supply voltage       DC         Supply voltage       external         • 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       0.4 A         Power loss [W]       9.6 W         Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       Protection class IP         Protection class IP       IP30	Signal inputs/outputs	
Operating current / of the signaling contacts       0.1 A         Supply voltage, current consumption, power loss       No         Type of voltage supply / redundant power supply unit       No         Type of voltage / of the supply voltage       DC         Supply voltage       DC         • external       24 V         • external       18 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       0.4 A         Power loss [W]       • at DC / at 24 V         • at DC / at 24 V       9.6 W         Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       P30         Design, dimensions and weights       IP30	Operating voltage / of the signaling contacts	
• at DC / maximum       0.1 Å         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       DC         • 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       0.4 A         Power loss [W]       • at DC / at 24 V         • at DC / at 24 V       9.6 W         Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       Protection class IP         Protection class IP       IP30         Design, dimensions and weights	• at DC / Rated value	24 V
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         • 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       0.4 A         Power loss [W]       9.6 W         Ambient conditions       -40 +60 °C         Ambient storage       -40 +70 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • operation / maximum       PS %         Protection class IP       IP30	Operating current / of the signaling contacts	
Type of voltage supply / redundant power supply unit       No         Type of voltage / of the supply voltage       DC         Supply voltage       • external         • 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       0.4 A         Power loss [W]       • at DC / at 24 V         • at DC / at 24 V       9.6 W         Ambient conditions       -40 +60 °C         • during operation       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • operation / maximum       95 %         Protection class IP       IP30         Design, dimensions and weights       -40	• at DC / maximum	0.1 A
Type of voltage / of the supply voltage       DC         Supply voltage       24 V         • 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       0.4 A         Power loss [W]       9.6 W         Ambient conditions       40 +60 °C         Ambient temperature       -40 +70 °C         • during storage       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30	Supply voltage, current consumption, power loss	
Supply voltage       24 V         • external       18 V         • external / minimum       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       0.4 A         Power loss [W]       9.6 W         • at DC / at 24 V       9.6 W         Ambient conditions       -40 +60 °C         • during operation       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30	Type of voltage supply / redundant power supply unit	No
• 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       0.4 A         Power loss [W]       9.6 W         • at DC / at 24 V       9.6 W         Ambient conditions       -40 +60 °C         • during operation       -40 +60 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       Protection class IP         Protection class IP       IP30	Type of voltage / of the supply voltage	DC
• 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       0.4 A         Power loss [W]       • at DC / at 24 V         • at DC / at 24 V       9.6 W         Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during       95 %         Protection class IP       IP30	Supply voltage	
• 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       0.4 A         Power loss [W]       9.6 W         • at DC / at 24 V       9.6 W         Ambient conditions       -40 +60 °C         • during operation       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30	• external	24 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       0.4 A         Power loss [W] <ul> <li>at DC / at 24 V</li> <li>9.6 W</li> </ul> Ambient conditions         Ambient temperature <ul> <li>during operation</li> <li>-40 +60 °C</li> <li>-40 +70 °C</li> <li>during transport</li> <li>-40 +70 °C</li> </ul> Relative humidity <ul> <li>at 25 °C / without condensation / during operation / maximum</li> <li>Protection class IP</li> <li>IP30</li> </ul> Design, dimensions and weights <ul> <li>Protection class IP</li> <li>IP30</li> </ul>	• external / minimum	18 V
Fuse protection type / at input for supply voltage       F 3 A / 32 V         Consumed current / maximum       0.4 A         Power loss [W]       9.6 W         • at DC / at 24 V       9.6 W         Ambient conditions       -40 +60 °C         • during operation       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30	• external / maximum	32 V
Consumed current / maximum       0.4 A         Power loss [W]       9.6 W         • at DC / at 24 V       9.6 W         Ambient conditions       -40 +60 °C         • during operation       -40 +60 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         Pelative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30	Product component / fusing at power supply input	Yes
Power loss [W] • at DC / at 24 V       9.6 W         Ambient conditions         Ambient temperature • during operation       -40 +60 °C         • during storage • during transport       -40 +70 °C         • during transport       -40 +70 °C         Pelative humidity • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30	Fuse protection type / at input for supply voltage	F 3 A / 32 V
• at DC / at 24 V       9.6 W         Ambient conditions       -         Ambient temperature       -         • during operation       -40 +60 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30         Design, dimensions and weights       -	Consumed current / maximum	0.4 A
Ambient conditions         Ambient temperature         • during operation         • during storage         • during transport         • during transport         -40 +70 °C         • during transport         Relative humidity         • at 25 °C / without condensation / during operation / maximum         Protection class IP         IP30	Power loss [W]	
Ambient temperature       -40 +60 °C         • during operation       -40 +70 °C         • during transport       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       95 %         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30         Design, dimensions and weights       IP30	• at DC / at 24 V	9.6 W
• during operation       -40 +60 °C         • during storage       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       -40 +70 °C         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30         Design, dimensions and weights       -40 +70 °C	Ambient conditions	
• during storage       -40 +70 °C         • during transport       -40 +70 °C         Relative humidity       -40 +70 °C         • at 25 °C / without condensation / during operation / maximum       95 %         Protection class IP       IP30         Design, dimensions and weights       -40 +70 °C	Ambient temperature	
• during transport     -40 +70 °C       Relative humidity     • at 25 °C / without condensation / during operation / maximum       Protection class IP     IP30	<ul> <li>during operation</li> </ul>	-40 +60 °C
Relative humidity     95 %       • at 25 °C / without condensation / during operation / maximum     95 %       Protection class IP     IP30       Design, dimensions and weights     IP30	<ul> <li>during storage</li> </ul>	-40 +70 °C
• at 25 °C / without condensation / during operation / maximum         95 %           Protection class IP         IP30           Design, dimensions and weights         IP30	during transport	-40 +70 °C
operation / maximum       Protection class IP       Design, dimensions and weights	Relative humidity	
Protection class IP     IP30       Design, dimensions and weights     IP30	<ul> <li>at 25 °C / without condensation / during</li> </ul>	95 %
Design, dimensions and weights		
	Protection class IP	IP30
Design compact	•	
Width 120 mm		
Height 125 mm	-	
Depth 123 mm	•	
Net weight     1.4 kg		
Mounting type When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.	Mounting type	



	No
• 19-inch installation	No
• 35 mm DIN rail mounting	Yes
wall mounting	Yes
<ul> <li>S7-300 rail mounting</li> </ul>	Yes
<ul> <li>S7-1500 rail mounting</li> </ul>	No
Product features, product functions, product compo	nents / 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, eng	jineering
Product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
• TRAPs via email	Yes
<ul> <li>Configuration with STEP 7</li> </ul>	Yes
• RMON	Yes
Port mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
Product function / switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	Yes
• DCP	Yes
• 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 functions / Diagnostics	
Product function	
Port diagnostics	Yes
Statistics Packet Size	Yes
<ul> <li>Statistics packet type</li> </ul>	Yes
Error statistics	Yes
• SysLog	Yes
Product functions / VLAN	
Product function	
<ul> <li>VLAN - port based</li> </ul>	Yes
<ul> <li>VLAN - protocol-based</li> </ul>	No
<ul> <li>VLAN - IP-based</li> </ul>	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	
<ul> <li>Ring redundancy</li> </ul>	Yes
<ul> <li>High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
<ul> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	Yes
<ul> <li>redundancy procedure STP</li> </ul>	Yes
<ul> <li>redundancy procedure RSTP</li> </ul>	Yes
<ul> <li>redundancy procedure MSTP</li> </ul>	Yes
Passive listening	Yes
Protocol / is supported	
• STP/RSTP	Yes



	N .
• STP	Yes
• RSTP	Yes
• MSTP	Yes
<ul> <li>RSTP big network support</li> </ul>	Yes
• LACP	Yes
Product functions / Security	
Product function	
ACL - MAC-based	Yes
<ul> <li>ACL - port/MAC-based</li> </ul>	Yes
• IEEE 802.1x (radius)	Yes
<ul> <li>Broadcast/Multicast/Unicast Limiter</li> </ul>	Yes
<ul> <li>broadcast blocking</li> </ul>	Yes
Protocol / is supported	
• SSH	Yes
Product functions / time	
Product function	
<ul> <li>SICLOCK support</li> </ul>	Yes
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
<ul> <li>IEEE 1588 profile default</li> </ul>	No
IEEE 1588 profile default Standards, specifications, approvals	No
	No
Standards, specifications, approvals	No FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
Standards, specifications, approvals Standard	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone
Standards, specifications, approvals Standard • for FM	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
Standards, specifications, approvals Standard • for FM • for hazardous zone	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
Standards, specifications, approvals Standard • for FM • for hazardous zone • for safety / from CSA and UL	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 /
Standards, specifications, approvals         Standard         • for FM         • for hazardous zone         • for safety / from CSA and UL         • for hazardous zone / from CSA and UL	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
Standards, specifications, approvals Standard  • for FM  • for hazardous zone  • for safety / from CSA and UL  • for hazardous zone / from CSA and UL	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)
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 hazardous zone / from CSA and UL         • for interference         • 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 EN 61000-6-4:2007 (Class A)
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 hazardous zone / from CSA and UL         • for emitted interference         • for interference immunity         Standards, specifications, approvals / CE         Certificate of suitability / CE marking         Standards, specifications, approvals / other	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
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         Standards, specifications, approvals / CE         Certificate of suitability / CE marking	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 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 hazardous zone / from CSA and UL         • for emitted interference         • for interference immunity         Standards, specifications, approvals / CE         Certificate of suitability / CE marking         Standards, specifications, approvals / other	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
Standards         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         Standards, specifications, approvals / CE         Certificate of suitability / CE marking         Standards, specifications, approvals / other         Certificate of suitability	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 Yes



Standards, specifications, approvals / marine classification	
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
• Bureau Veritas (BV)	Yes
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
Germanische Lloyd (GL)	No
• DNV GL	Yes
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
<ul> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	No

Standards, specifications, approvals / Product conformity	
MTBF	25 у
Further information / Internet-Links	
Internet-Link	

<ul> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com

## Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Thirdparty products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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12/16/2019

