# **SIEMENS**

Product data sheet 6GK5116-0BA00-2AA3

#### Product-type designation



#### **SCALANCE X116**

SCALANCE X116, UNMANAGED IE SWITCH, 16 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, INCL. ELECTRON. MANUAL ON CD

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Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mhit/e

### Interfaces

16
1
1
1
1

Number of electrical/optical connections / for network components or

# Design of electrical connection

• for network components and terminal equipment	RJ45 port
for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block

### Signal-Inputs/outputs

Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A

# Supply voltage, current consumption, power loss

Type of / supply voltage	D
rype of / supply voltage	U

16

- minimum	Supply voltage / external	24 V
• maximum         32 V           Product component / fusing at power supply input         No           Consumed current / maximum         0.3 A           Active power loss / at 24 V / for DC         4.4 W           Permitted ambient conditions           Ambient temperature           • during operating         -20 +70 °C           • during storage         -40 +80 °C           • during transport         40 +80 °C           Relative humidity         1830           • 1 relative fundity         1830           • Design, dimensions and weight         1830           Design, dimensions and weight           Design, dimensions and weight         120 mm           Height         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           • 35 mm DIN rail mounting         Yes           • 35 mm DIN rail mounting         Yes           • 37-300 rail mounting         Yes           • 57-300 rail mounting         Yes           • 6re EMC / from FM         FM3811: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IC, T4           • 1 for safety / of CSA and UL         U. 1604 and UL 2779-15 (Hezardous Location), Class 1		
Product component / fusing at power supply input         No           Consumed current / maximum         0.3 A           Active power loss / at 24 V / for DC         4.4 W           Permitted ambient conditions           Ambient temperature           - during storage         - 40 +80 °C           - during storage         - 40 +80 °C           Relative humidity           IP30           Protection class IP           IP30           Posity, dimensions and weight           Design, dimensions and weight           Design         compact           Width         120 mm           Height         124 mm           Net weight         1.4 kg           Mounting type         24 mm           • 35 mm DIN rail mounting         Yes           • 37-30 all mounting         Yes           • 38 rand DIN rail mounting         Yes           • 38 rand DIN rail mounting         Yes           • 58 rand DIN rail mounting         Yes           • 58 rand DIN rail mounting         Yes           • File MS (from FM         FM 3611: Class 1. Division 2, Group A, B, C, D/T4, Class 1, Zone 2, Croup IIC, T4           • for safety / of CSA and UL         UL 60950-1, CSA C222 No. 60950-1 </td <td></td> <td></td>		
Consumed current / maximum         0.3 A           Active power loss / at 24 V / for DC         4.4 W           Permitted ambient conditions           Ambient temperature         -during operating           - during operating         -20 +80 °C           - during transport         -40 +80 °C           Relative humidity         -125 °C / without condensation / during operating / maximum         95 %           Protection class IP         IP30           Design, dimensions and weight           Design, dimensions and weight         120 mm           Height         120 mm           Height         124 mm           Net weight         1.1 kg           Mounting type         -35 mm DIN rail mounting           • vall mounting         Yes           • vall mounting         Yes           • vall mounting         Yes           • Tor EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IC, T4           • for safely / of CSA and UL         UL 6004 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IC, T3.           • for emitted interference         EN 61000-6-2:2001           • for interference immunity         EN 61000-6-2:2001, EN 61000-6-4:2001           Verification of suitability         EN 6		
Active power loss / at 24 V / for DC         4.4 W           Permitted ambient conditions           Ambient temperature         -20 +70 °C           - during perating         -20 +80 °C           - during transport         -40 +80 °C           Relative humidity         -10 +80 °C           - at 25 °C / without condensation / during operating / maximum         95 %           Protection class IP         IP30           Design, dimensions and weight           Design (dimensions and weight         22 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         -35 mm DIN rail mounting           • 35 mm DIN rail mounting         Yes           • 37-300 rail mounting         Yes           Standard           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / TA, Class 1, Zone 2, Group IC, TA           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for femitted interference         EN 61000-6-4.2001           • for interference immunity         EN 61000-6-4.2001           Verification of suitability         EN 61000-6-2.2001, EN 61000-6-4.2001           • CE mark         Yes <td></td> <td></td>		
Permitted ambient conditions           Ambient temperature         -during operating         -20 +70 °C           - during storage         -40 +80 °C           - during transport         -40 +80 °C           Relative humidity         -10 +80 °C           - at 25 °C without condensation / during operating / maximum         95 %           Protection class IP         IP30           Design, dimensions and weight           Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1,1 kg           Mounting type         -35 mm DIN rail mounting           • 35 mm DIN rail mounting         Yes           • 35 mm DIN rail mounting         Yes           • 35 mm DIN rail mounting         Yes           • 57-300 rail mounting         Yes           • 57-300 rail mounting         Yes           Standard         - for EMC / from FM           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B. C. D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and UL         UL 604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IIC T5.           • for interference         EN 61000-6-4:2001           • for interference immunity		
Ambient temperature  during operating during storage during storage during transport  Relative humidity storage production diass IP Protection class IP Protection class IP Pessign Design, dimensions and weight  Design Width 120 mm Height 125 mm Depth 124 mm Net weight Mounting type 35 mo DIN rail mounting vall mounting 37 solor ail mounting 37 solor ail mounting 49 ses Standards, specifications, approvals  Standards, specifications, approvals  Standards, specifications, approvals  Standards of CSA and UL 6 for hazardous area / of CSA and UL 6 for interference immunity  Verification of suitability 6 ic mark 7 ce mark 7 ce mark 8 ce Tick 8 ce Tick 8 ce Tick 9	·	
. during operating . during storage . during storage . during transport  Relative humidity . at 25 °C / without condensation / during operating / maximum Protection class IP  Design dimensions and weight  Design dimensions and weight  Uthin the light 125 mm  Depth 125 mm  Depth 11 kg  Mounting type . 35 mm DIN rail mounting . wall mounting . yes . 37-30 rail mounting . Yes  Standards, specifications, approvals  Standards, specifications, approvals  Standards or or EMC / from FM . for EMC / from FM . for EMC / from FM . for emclay of CSA and UL . for hazardous area / of CSA and UL . for hazardous area / of CSA and UL . for neitted interference . for emitted interference . for emitted interference . for interference immunity  Ves  Marine classification association . CE mark . C-Tick . C-Tick . C-Tick . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association . American Bureau of Shipping Europe Ltd. (ABS) Ves  Marine classification association		
• during transport         -40 +80 °C           Relative humidity         -40 +80 °C           Protection class IP         IP30           Design, dimensions and weight           Design         compact           Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         -35 mm DIN rail mounting         Yes           • wall mounting         Yes           • ST-300 rail mounting         Yes           • Standard         FOF EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for emitted interference         EN 61000-6-22001           • for emitted interference         EN 61000-6-22001           • for Emark         Yes           • CE mark         Yes           • CTick         Yes           Marine classification association         Yes		-20 +70 °C
- during transport Relative humidity - at 25 °C / without condensation / during operating / maximum Protection class IP Possign, dimensions and weight  Design Width Height 120 mm  Height 125 mm  Depth Net weight 1.1 kg  Mounting type - 35 mm DIN rail mounting - wall mounting - wall mounting - \$7.300 rail mounting - for EMC / from FM - for safety / of CSA and UL - for earlety of CSA and UL - for emitted interference - for interference immunity - for emitted interference - for interference immunity - CE mark - C-Tick - C-Tick - C-Tick - American Bureau of Shipping Europe Ltd. (ABS)  Marine classification association - American Bureau of Shipping Europe Ltd. (ABS)  Ves  Ves  Ves  Ves  Ves  Ves  Ves  Ve		
Relative humidity         95 %           Protection class IP         IP30           Design, dimensions and weight           Design         compact           Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         98           • 35 mm DIN rail mounting         Yes           • wall mounting         Yes           • ST-300 rail mounting         Yes           • Standards, specifications, approvals           Standards, specifications, approvals           Standards of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for interference inmunity         EN 61000-6-4:2001           • for emitted interference         EN 61000-6-4:2001           • for interference immunity         EN 61000-6-2:2001, EN 61000-6-4:2001           Verification of suitability         EN 61000-6-2:2001, EN 61000-6-4:2001           • CE mark         Yes           • C-Tick         Yes           • KC approval         Yes           Marine classification association         Yes           • American Bureau of Shipping Europe Ltd. (A		
e at 25 °C / without condensation / during operating / maximum         95 %           Protection class IP         IP30           Design, dimensions and weight           Usidth         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         Yes           • 35 mm DIN rail mounting         Yes           • wall mounting         Yes           • ST-300 rail mounting         Yes           Standards, specifications, approvals           Standards, specifications, approvals           Standard Ut           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and Ut         Ut. 60950-1, CSA C22.2 No. 60950-1           • for hazardous area / of CSA and Ut         Ut. 1604 and Ut. 2279-15 (Hazardous Location), Class 1 / Division 2 / Group R. C, D / T, Class 1 / Zone 2 / Group IIC / T           • for emitted interference         EN 61000-6-4:2001           • for interference immunity         EN 61000-6-2:2001, EN 61000-6-4:2001           Verification of suitability         EN 61000-6-2:2001, EN 61000-6-4:2001           • CE mark         Yes           • C-Tick         Yes		
Protection class IP         IP30           Design, dimensions and weight         Compact           Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         ***           • wall mounting         Yes           • wall mounting         Yes           • ST-300 rail mounting         Yes           Standards, specifications, approvals           Standards, specifications, approvals           Standards           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for hazardous area / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for emitted interference         EN 61000-6-4:2001           • for interference immunity         EN 61000-6-2:2001           Verification of suitability           • CE mark         Yes           • C-Tick         Yes           • C-Tick         Yes           • KC approval         Yes           Marine classification association         Yes		95 %
Design         compact           Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         ***           • 35 mm DIN rail mounting         Yes           • wall mounting         Yes           • s7-300 rail mounting         Yes           ***Standards, specifications, approvals**           ***Standards for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for hazardous area / of CSA and UL         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IIC / T           • for emitted interference         EN 61000-6-4:2001           • for interference immunity         EN 61000-6-2:2001           Verification of suitability         EN 61000-6-2:2001, EN 61000-6-4:2001           • CE mark         Yes           • C-Tick         Yes           • KC approval         Yes           Marine classification association         Yes           • American Bureau of Shipping Europe Ltd. (ABS)		
Design         compact           Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         ***           • 35 mm DIN rail mounting         Yes           • wall mounting         Yes           • s7-300 rail mounting         Yes           ***Standards, specifications, approvals**           ***Standards for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for hazardous area / of CSA and UL         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IIC / T           • for emitted interference         EN 61000-6-4:2001           • for interference immunity         EN 61000-6-2:2001           Verification of suitability         EN 61000-6-2:2001, EN 61000-6-4:2001           • CE mark         Yes           • C-Tick         Yes           • KC approval         Yes           Marine classification association         Yes           • American Bureau of Shipping Europe Ltd. (ABS)		
Width         120 mm           Height         125 mm           Depth         124 mm           Net weight         1.1 kg           Mounting type         ****           • 35 mm DIN rail mounting         Yes           • wall mounting         Yes           • 87-300 rail mounting         Yes           Standards, specifications, approvals           Standard First Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for EMC / from FM         FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4           • for safety / of CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for hazardous area / of CSA and UL         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IIC / T           • for emitted interference         EN 61000-6-4:2001           • for interference immunity         EN 61000-6-2:2001           Verification of suitability         EN 61000-6-2:2001, EN 61000-6-4:2001           • CE mark         Yes           • C-Tick         Yes           • KC approval         Yes           Marine classification association         Yes           • American Bureau of Shipping Europe Ltd. (ABS)         Yes		compact
Height 125 mm  Depth 124 mm  Net weight 1.1 kg  Mounting type  35 mm DIN rail mounting Yes  vall mounting Yes  vall mounting Yes  Standards, specifications, approvals  Standard  for EMC / from FM FM FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  for safety / of CSA and UL UL 60950-1, CSA C22.2 No. 60950-1  for hazardous area / of CSA and UL UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Division 2 / Group B, C, D / T., Class 1 / Division 2 / Division 2 / Division 2 /		
Depth  Net weight  Net weight  Mounting type  - 35 mm DIN rail mounting  - wall mounting  - sr-300 rail mounting  - sr-300 rai	Height	125 mm
Net weight  Mounting type  35 mm DIN rail mounting  Yes  wall mounting  Yes  Standards, specifications, approvals  Standard  for EMC / from FM  for safety / of CSA and UL  for hazardous area / of CSA and UL  for emitted interference  for interference immunity  Verification of suitability  CE mark  C-Tick  KC approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  Yes  Yes  Yes  1.1 kg  Mounting type  Yes  Yes  Yes  Yes  Yes  1.1 kg  1.1 kg  Nounting type  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Y		124 mm
Mounting type  • 35 mm DIN rail mounting  • wall mounting  • S7-300 rail mounting  Yes  Standards, specifications, approvals  Standard  • for EMC / from FM  • for safety / of CSA and UL  • for hazardous area / of CSA and UL  • for emitted interference  • for interference immunity  Verification of suitability  • CE mark  • C-Tick  • KC approval  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		1.1 kg
<ul> <li>35 mm DIN rail mounting</li> <li>wall mounting</li> <li>Yes</li> <li>S7-300 rail mounting</li> <li>Yes</li> </ul> Standards, specifications, approvals Standard <ul> <li>for EMC / from FM</li> <li>FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4</li> </ul> • for safety / of CSA and UL <ul> <li>UL 60950-1, CSA C22.2 No. 60950-1</li> <li>for hazardous area / of CSA and UL</li> <li>UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T</li> <li>for emitted interference</li> <li>for interference immunity</li> <li>EN 61000-6-2:2001</li> </ul> Verification of suitability <ul> <li>CE mark</li> <li>C-Tick</li> <li>Yes</li> </ul> KC approval <ul> <li>Yes</li> </ul> Marine classification association <ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul> Yes <ul> <li>Yes</li> </ul>		
• \$7-300 rail mounting  Standards, specifications, approvals  Standard  • for EMC / from FM  • for safety / of CSA and UL  • for hazardous area / of CSA and UL  • for emitted interference  • for interference immunity  Verification of suitability  • CE mark  • C-Tick  • KC approval  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  Verification of suitabuse AB, C, D / Ta, Class 1, Division 2, Group A, B, C, D / Ta, Class 1, Zone 2, Group IIC, Ta, Class 1 / Division 2, Group A, B, C, D / T., Class 1 / Zone 2 / Group IIC / T  • For emitted interference  EN 61000-6-4:2001  EN 61000-6-2:2001  EN 61000-6-2:2001, EN 61000-6-4:2001  Yes  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)	35 mm DIN rail mounting	Yes
Standard  • for EMC / from FM  • for safety / of CSA and UL  • for hazardous area / of CSA and UL  • for emitted interference  • for interference immunity  Verification of suitability  • CE mark  • C-Tick  • American Bureau of Shipping Europe Ltd. (ABS)  • for eMC / from FM  FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4   • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  • Last 1 for end UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC / T  • FM3611: Class 1, Division 2, Group IIC / T  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Group IIC / T.  • FM3611: Class 1, Division 2, Division 2, Division 2, Division	wall mounting	Yes
Standard  • for EMC / from FM  FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  • for safety / of CSA and UL  • for hazardous area / of CSA and UL  • for hazardous area / of CSA and UL  • for emitted interference  • for emitted interference  • for interference immunity  EN 61000-6-4:2001  • CE mark  • C-Tick  • KC approval  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group A, B,	S7-300 rail mounting	Yes
FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  for safety / of CSA and UL  for hazardous area / of CSA and UL  for hazardous area / of CSA and UL  for emitted interference  for interference immunity  EN 61000-6-4:2001  FM 61000-6-2:2001  EN 61000-6-2:2001  EN 61000-6-2:2001, EN 61000-6-4:2001  CE mark  C-Tick  KC approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  Yes	Standards, specifications, approvals	
• for safety / of CSA and UL • for hazardous area / of CSA and UL • for hazardous area / of CSA and UL • for emitted interference • for interference immunity  Verification of suitability • CE mark • C-Tick • KC approval  Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)  UL 60950-1, CSA C22.2 No. 60950-1  UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IIC / T  EN 61000-6-4:2001  EN 61000-6-4:2001  EN 61000-6-2:2001  EN 61000-6-2:2001, EN 61000-6-4:2001  Yes  Yes  Yes	Standard	
• for hazardous area / of CSA and UL      UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T      • for emitted interference     • for interference immunity      EN 61000-6-4:2001      Verification of suitability      • CE mark      • C-Tick      • KC approval  Marine classification association      • American Bureau of Shipping Europe Ltd. (ABS)      UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group IIC / T      EN 61000-6-4:2001      EN 61000-6-2:2001      EN 61000-6-2:2001      EN 61000-6-2:2001      Fyes  Yes  Yes  Yes	• for EMC / from FM	
/ Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T  • for emitted interference • for interference immunity  EN 61000-6-4:2001  EN 61000-6-2:2001  EN 61000-6-2:2001, EN 61000-6-4:2001  • CE mark • C-Tick • KC approval  Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)  / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T  EN 61000-6-4:2001  EN 61000-6-2:2001, EN 61000-6-4:2001  Yes  Yes  Yes	• for safety / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
<ul> <li>• for interference immunity</li> <li>EN 61000-6-2:2001</li> <li>Verification of suitability</li> <li>EN 61000-6-2:2001, EN 61000-6-4:2001</li> <li>• CE mark</li> <li>• C-Tick</li> <li>• KC approval</li> <li>Marine classification association</li> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> </ul> Yes Yes	for hazardous area / of CSA and UL	
Verification of suitability  CE mark  C-Tick  KC approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  EN 61000-6-2:2001, EN 61000-6-4:2001  Yes  Yes  Yes  Yes	for emitted interference	EN 61000-6-4:2001
<ul> <li>CE mark</li> <li>C-Tick</li> <li>KC approval</li> <li>Marine classification association</li> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul> Yes Yes	for interference immunity	EN 61000-6-2:2001
<ul> <li>C-Tick</li> <li>KC approval</li> <li>Marine classification association</li> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul> Yes Yes	Verification of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• KC approval  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  Yes	• CE mark	Yes
Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  Yes	• C-Tick	Yes
American Bureau of Shipping Europe Ltd. (ABS)  Yes	KC approval	Yes
	Marine classification association	
Bureau Veritas (BV)     Yes	American Bureau of Shipping Europe Ltd. (ABS)	Yes
	Bureau Veritas (BV)	Yes

Det Norske Veritas (DNV)	No
Germanische Lloyd (GL)	No
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS)	No

# Further Information / Internet Links

#### Internet-Link

to website: Industry Mall
 http://www.siemens.com/industrial-controls/mall

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

• to website: Information and Download Center http://www.siemens.com/automation/net/catalog

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

• to website: CAx Download Manager http://www.siemens.com/cax

• to website: Industry Online Support http://support.automation.siemens.com

#### Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. Version 3.4 - 14.11.2013-Siemens AG, I IA L CG, Nuremberg

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