SIEMENS

Data sheet

6GK5204-2BC10-2AA3



SCALANCE X204-2LD, managed IE switch, 4x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s single-mode BFOC, error signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, redundancy manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional.

product type designation	SCALANCE X204-2LD
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	4
number of 10/100 Mbit/s RJ45 ports / integrated	
with securing collar	4
number of 100 Mbit/s ST(BFOC) ports	
• for single mode (LD)	2
interfaces / other	
number of electrical connections	
 for signaling contact 	1
• for power supply	1
type of electrical connection	
 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
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
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
 power loss [W] / 1 / rated value 	6.36 W
 supply voltage / 1 / rated value 	18 32 V
 consumed current / 1 / maximum 	0.265 A
 type of electrical connection / 1 / for power supply 	4-pole terminal block
 product component / 1 / fusing at power supply input 	Yes
 fuse protection type / 1 / at input for supply voltage 	0.6 A / 60 V
ambient conditions	
ambient temperature	
during operation	-40 +60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
relative humidity	

 at 25 °C / without condensation / during operation / maximum 	95 %		
protection class IP	IP30		
design, dimensions and weights			
design	compact		
width	60 mm		
	125 mm		
height depth	125 mm		
· · · · ·	0.78 kg		
net weight	0.76 kg		
35 mm top hat DIN rail mounting	Yes		
wall mounting	Yes		
S7-300 rail mounting			
S7-1500 rail mounting	No		
product features, product functions, product components / gene			
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	100		
cascading in cases of star topology	any (depending only on signal propagation time)		
product functions / management, configuration, engineering			
product function			
• CLI	Yes		
 web-based management 	Yes		
MIB support	Yes		
 TRAPs via email 	Yes		
 configuration with STEP 7 	Yes		
port mirroring	Yes		
multiport mirroring	No		
 with IRT / PROFINET IO switch 	No		
 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	No		
• DCP	Yes		
• LLDP	Yes		
• SNMP v1	Yes		
• SNMP v2	Yes		
• SNMP v3	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 racket type	Yes		
error statistics	Yes		
product functions / DHCP			
product functions / DHCP			
•	Vac		
DHCP client	Yes		
product functions / redundancy			
product function			
• ring redundancy	Yes		
High Speed Redundancy Protocol (HRP)	Yes		
 high speed redundancy protocol (HRP) with redundancy manager 	Yes		
manayor			

protoci / is supported / Media Redundancy Protocol (MRP) Yes + media minimizery protocol (MRP) with redundancy masks Yes + media minimizery protocol (MRP) with redundancy masks Yes + Papelle Redundancy Protocol (MRP) yesperation in the PRP interview Yes - masks relationship Protocol (MRP) yesperation in the PRP interview Yes - masks relationship Protocol (MRP) yesperation in the PRP interview Yes protocol / is supported Yes - protocol / is supported Yes - sticl_COCK supported Yes - sticl_COCK supported Yes - sticl_COCK supported Yes - sticl_COCK supported Yes - for FM No - sticl_COCK supported Yes - for masks interference EX 61000-6-2 - for immeference immunity EX 61000-6-2 - for other file C 81340-2 KF - according IDI ICI 81340-2 KF - accordiDI IDI ICI 81340-2 KF	 high speed redundancy protocol (HRP) with standby redundancy 	No
product function Yes • manager for outdrating produced (MRP) with redundancy Yes • Parallel Redundancy Protocol (PRP) Regentation in the PRP-retevork Yes • Parallel Redundancy Protocol (PRP) Redundant Network Access (NNA) No • cassis (Station) Yes • Product functions / security Yes standards, specifications, spportexis Yes standards, specifications, spportexis File * for Informacion immunity EN 61000-44 (Cass A) * for Informacion immunity EN 61000-64 (Cass A) * for Informacion immunity Yes andards, specifications, spportexis // Strazdous servicements EN 61000-64 (Cass A) * for Informacion immunity Yes andards, specifications, spportexis // Strazdous servicements EN 61000-64 (Sas A) * form CSA and UL ANSI // SA 12/2019 KFE	•	Yes
rends redundancy protocol (PRP) upperation in the Parallel Redundancy Protocol (PRP)/Predundant Network Access (PNA) passive listening product function of security product functions of security product function of security product function of security product function of security product function of security product function signal of security signal of security security security is IES of signal of security security security security security security security security security security security security security security security security security security security		
• Parallel Rebundancy Protocol (PRP) Vperation in the PRP-relations Yes • Parallel Rebundancy Protocol (PRP) Vperation in the PRP-relations No • passive listening Yes product functions / final Yes product functions / genell disting, approvals Standards, specifications, approvals standards, specifications, approvals Standards, specifications, approvals standards, specifications, approvals FM Standards, specifications, approvals / CE • for interference immunity Yes • for miniference immunity Yes • according to IEC 81348-2 KF	• media redundancy protocol (MRP) with redundancy	Yes
+ Parallel Redundancy Protocol (PRP)Redundant Network No - cossive listening Yes product function i sequentity Yes product function i supported Yes product function i func Yes for fM No - SIGL CARS, specifications, approvals Yes standards, specifications, approvals Filterence immunity MTBF T4.64 a reference code KF - according to IEC 81346-22 019 KF standards, specifications, approvals / bazardous ane Filterence standards, specifications, approvals / bazardous ane Filterence certificate of subability / CE 81346-22 KF certificate of subability Yes certificate of subability Forn CSA and UL - CCC / for h	Parallel Redundancy Protocol (PRP)/operation in the	Yes
product functions / security product functions / security product functions / supported • SSH Yes product functions / supported • SSH * Standards, specifications, approvals standards, specifications, approvals if or FM FM3011: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011102020X FM3011102020X FM30111: Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zon 2, GP, IIC, T4, FM3011102020X FM3011102020X FM3011101 FM 50100-64 FG or Class A, D / T4, CL 1, Zon 2, GP, IIC, T4, FM301110 FG or Class A, D / T4, CL 1, Zon 2, ZO10 FKE standards, specifications, approvals / CE FM301110 FM 50174 FG or CSA and UL ANSI / FA 12, Z01, CSA C222 No. 215-M1987, CL 1 / Div, 2 / GP, A, B, C, D'A, CL 1 / Zon 2 / GP, IIC, T4, E204080 CCC / for hazardous zone according to GB standard / se mrking For Cluss Hactor / as File Nr. Standards, specifications, approvals / other FM1000-64, CCC / GP, IIC, T4, E204080 (All Class A)	Parallel Redundancy Protocol (PRP)/Redundant Network	No
product functions / security or SSH Yes product functions / time product functions / time of SH Yes product function Yes product functions Yes product functions Yes product functions Yes standards Yes standards Specifications, approvals standards For FM of or interference immunity FN 8511- Class 1, Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP. IIC, T4, FM 10US/2020X MTBF 74.64 a reference code eccording to IEC 81346-2 eccording to IEC 81346-2 KF ecording to IEC 81346-2 KF ecordificat of suitability CEC 4 (Are Pilli		Yes
protocol / is supported Yes product functions / time product functions / time product functions / time Product functions / time protocol / is supported No • SIRL DCK Support Yes standards, spacefications, approvals Standards et or FM FM3811-Close 1, Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4, FM3811-Close 1, Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4, FM3811-Close 1, Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4, FM3811-Close 1, Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP, IIC, T4, Fefference innumity e for interference innumity EN 61000-6-4 (Clase A) etandards, spacefications, approvals / CE Certificate of suitability / CE marking etandards, spacefications, approvals / CE Certificate of suitability / CE marking etandards, spacefications, approvals / Azardous environmento Standard / for hazardous zone according to GB standard / Standard / Standard / For Alazardous zone according to GB standard / Standard / For Alazardous zone according to GB standard / Standard / Standards, spacefications, approvals / Other etandards, spacefications, approvals / Intervence EX40480 (NVM+P, NVM+P7) standards, spacefications, approvals / other E204080 (NVM+P, NVM+P7) etailability Entervence EXA000-6-2, EN 61000-6-4 etailability Extensional Standard / Standard	· ·	
product functions / time product functions • SIRLOCK support • NTP • SNTP • SNTP		Yes
product function Yes • SILOCK support Yes • for protocol / is supported No • SINTP No • Sandards, supportidions, approvals Standards, supportidions, approvals standards, supportidions, approvals FMS611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4, EM16U32025X • for interference immunity EN 61000-6-2 MTEF 74.64 a • for interference inmunity EN 61000-6-2 # Affection of IEC 61346-2 KF • according to IEC 61346-2.2019 KF standards, specifications, approvals / Azardous environments EN 60070-0: 2006, EN 60070-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX • from CSA and UL EN 60070-0: 2006, EN 60070-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX • from CSA and UL EN 60070-0: 2006, EN 60070-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX • from CSA and UL ANSI / ISA 12 12 0, ISA 22 2 No 213 AttRen, CL. 1 / Div. 2 / GP. A, B, C, D / T4, CL 1 / Zon 2 / GP. IIC, T4, E240480 • for CLus Haztoc / as File Nr. E240480 (WH/HP, WH/HP7) • tardards, specifications, approvals / bazardous according to GB standard / as marking Yes • CCC / for hazardous zone according to GB standard / as marking Yes • CCC / for hazardous zone according to GB standard / as marking Yes • Caluest Azto / as File Nr. E240480 (WH/HP, WH/HP7)		
SIGLOCK support Yes protocol / is supported N0 • NTP No • SNTP Yes tandards, specifications, approvals #MRUS/2025X • for FIM FMRUS/2025X • for emitted interference EN 61000-64. (Class A) • for interference immunity EN 61000-64. (Class A) • for interference immunity EN 61000-64. (Class A) • according to IEC 81346-2.2019 KFE • according to IEC 81346-2.2019 Yes • form CSA and UL D 14.201 AnSU ISA 121/2.01, CSA C22.2 No. 213-M1987, CL. 1 / Dw. 2/ GP. A, B, C, D 14. CL 1.2 Res 2 (GP. IIC, 1 / Dw.2 / GP. A, B, C, D 1		
protocol / is supported NTP ND		Vec
NTP NTP No SNTP Yes Standard, specifications, approvals standard, specifications, approvals standard, specifications, approvals if or interference EN 51000-54 (Class A) if or emitted interference EN 51000-52 MTPF reference code according to IEC 81346-22 KF according to IEC 81346-22 KF saccording to IEC 81346-24 Yes Sandard, specifications, approvals / bacardous acre Sandard / as marking for culture Hazardous acre according to GB standard / as marking for culture Hazardous acre according to GB standard / as marking for culture Hazardous acre according to GB standard / as marking for culture Hazardous / bacardous acre for S0126 for culture Hazardous / bacardous acre for CULUs HazaLoc / as File Nr. E240480 (NWHP, NWHP7) saccording to Improvals / bacardous /		
SNTP Yes standard specifications, approvals standard i-for FM FM3611- Class 1. Division 2, Group A, B, C, D / T4, CL 1, Zone 2, GP. IIC, T4, FM16US0205X i-for emitted interference EN 61000-6-4 (Class A) i-for interference immunity EN 61000-6-2 MTPF reference code according to IIC 6 91346-2 KF E standards, specifications, approvals / CE certificate of suitability / CE marking for All CE marking i-for M CA (Class A) i-for marking approvals / CE certificate of suitability i-CCC / for hazardous zone i-form CSA and UL DT4, CL 1/ Zone 2/ GP. IIC, T4, E240480 i-form CSA and UL i-for cultus HazLoc / as File Nr: i-for cultus HazLoc / as File Nr: certificate of suitability i-CCC / for hazardous zone according to GB standard / as marking i-for cultus HazLoc / as File Nr: certificate of suitability i-CCC / for hazardous zone according to GB standard / as marking i-for cultus HazLoc / as File Nr: certificate of suitability i-CCC / for hazardous zone according to GB standard / as marking i-for cultus HazLoc / as File Nr: certificate of suitability i-CCC / for hazardous zone according to GB standard / as marking i-for cultus HazLoc / as File Nr: certificate of suitability i-CCC / for hazardous zone according to GB standard / as marking i-for cultus HazLoc / as File Nr: certificate of suitability i-CCC / for hazardous zone according to GB standard / as marking i-for cultus HazLoc / as File Nr: certificate of suitability i-CTCK i-CTick i		No
standard, standard • for FM FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X • for interference EN 61000-6.4 (Class A) • for interference immunity EN 61000-6.2 MTBF 74.64 a reference code according to IEC 81346-2 • according to IEC 81346-2 KF • from CSA and UL ANSI / ISA 12,12.01, CSA C22, 2 No. 213.41174 KEMA 07 ATEX • from CSA and UL ANSI / ISA 12,12.01, CSA C22, 2 No. 213.411987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL / T / Div. 2 / GP. A, B, C, D T4, CL / T / Div. 2 / GP. A, B, C, D T4, CL / T / Div. 2 / GP. A, B, C, D T4, CL / T / Div. 2 / GP. A, B, C, D T4, CL / T / Div. 2 / GP. A, B, C, D T4, CL / T / Di		
standard for FM for emitted interference for interference immunity FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4, FM16US20205X FM16US20205X FN16US20205X FN16US	-	100
FMI GUS206X • for emitted interference • for interference immunity EN 61000-6-2 MTBF reference code • according to IEC 81346-2 KF • according to IEC 81346-2 certificate of suitability /CE marking Yes standards, specifications, approvals / hazardous environments standards, specifications, approvals / bes andard / se marking • CCC / for hazardous zone according to GB standard / se marking • CCC / for hazardous zone according to GB standard / se marking • Cord/Luck HazLoc / as File Nr. standards, specifications, approvals / other Certificate of suitability • Cord/Lock Yes • For OLUus HazLoc / as File Nr.		
for emitted interference immunity EN 61000-6-4 (Class A) EN 61000-6-2 En 60079-0: 2006, EN 60079-0: 2005, EN 6000-0: 2005, EN 60100-0: 4 EN 61000-6: 20, EN 61000-6: 4 EN 61000-6: 20, EN 61000-0: 4 EN 61000-6: 20, EN 61000-0: 4 EN 61000-6: 20, EN 61000-6: 4 EN 61000-6: 20, EN 61000-6: 4 EN 61000-6: 20, EN 61000-6: 4 EN 61000-6: 20, EN 61000-0: 4 EN 61000-0: 4 EN 61000-0: 4 EN		
	 for emitted interference 	
MTBF 74.84 a reference code eaccording to IEC 81346-2 KF eaccording to IEC 81346-22019 KFE standards, spacifications, approvals / CE certificate of suitability / CE marking Yes standards, spacifications, approvals / Dezardous environments EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX efrom CSA and UL ANSI / ISA 12:12:01, CSA C22:2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability CCC / for hazardous zone according to GB standard Yes; GB3836.1, GB3836.8 c CCC / for hazardous zone according to GB standard / as marking e for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability EN 61000-6-4 Yes ectrificate of suitability EN 61000-6-2, EN 61000-6-4 Yes Yes standards, specification, approvals / other Yes Yes Yes standards, specification ascordance with EN 50155 No No Yes etrificate of suitability EV 61000-6-2, EN 61000-6-4 Yes Yes etrification association enarcina Bureau of Shipping Europe Ltd. (ABS) No Yes Yes Yes <		
reference code KF • according to IEC 81346-2.2019 KF • according to IEC 81346-2.2019 KFE standards, specifications, approvals / CE E certificate of suitability / CE marking Yes standards, specifications, approvals / hazardous environments EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability • CCC / for hazardous zone according to GB standard / as marking Yes; GB3836.1, GB3836.8 • CCC / for hazardous zone according to GB standard / as marking Yes; GB3836.1, GB3836.8 Ex nA II CT 4 Gc • for cLLus HazLoc / as File Nr. E240480 (NWHP, NWHP7) Standards, specifications, approvals / other certificate of suitability EN 61000-6-2, EN 61000-6-4 Yes; Gaptoval • OC C / for hazardous cone accordance with EN 50155 No No standards, specifications, approvals / marine classification Yes • CC approval Yes Yes • CTick Yes Yes • C Capprovals / marine classification societion Yes • alaway application in accordance with EN 50155 No <td>·</td> <td></td>	·	
eacording to IEC 81346-2 KF eacording to IEC 81346-2.2019 KFE standards, specifications, approvals / CE certificate of ultability / CE standards, specifications, approvals / hazardous environments standard / for hazardous zone If form CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability / CC / for hazardous zone according to GB standard / as marking CCC / for hazardous zone according to GB standard / as marking for CLus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability C.C. / for hazardous zone according to GB standard / as marking for cLus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability C.Tick Yes KC approval Yes intacordance with EN 50155 No salivay application in accordance with EN 50155 No inalivay application in accordance with EN 50155 No American Bureau of Shipping Europe Ltd. (ABS) No American Bureau of Shipping Europe Ltd. (ABS) No American Bureau of Shipping Europe Ltd. (ABS) No American Bureau of Shipping (LRS) Ves Loyds Register of Shipping (LRS) Ves Loyds Register of Shipping (LRS) Ves Apolis Register of Shipping (LRS) Yes Apolis Register Statkow (PRS) Yes Apolis Register of Shipping (LRS) Yes Apolis Register of Shipping (LRS) Yes Apolis Register Statkow (PRS) Yes Apolis Register Statkow (PRS) Yes Apolis Register Statkow (PRS) Yes Apolis Register Statko		
eacording to IEC 81346-2:2019 KFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes standard / for hazardous zone ifom CSA and UL ANSI/ ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability • CCC / for hazardous zone according to GB standard ves; GB3336.1, GB3336.8 Ex nA IIC T4 Gc arking • for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability · CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability · CCC / To hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability · CTck Yes · KC approval Yes · Rot 1000-6-4 Yes · Fich marine classification accordance with EN 50155 No · Standards, specifications, approvals / marine classification · American Bureau of Shipping Europe Ltd. (ABS) No · French marine classification association · American Bureau of Shipping Europe Ltd. (ABS) · Obet Norske Veritas (DNV) Yes · Loyds Register of Shipping (LRS) · Polski Rejester of Shipping		KE
standards, specifications, approvals / CE certificate of suitability / CE marking Yes standards, specifications, approvals / hazardous environments standard, for hazardous zone EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X • from CSA and UL D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 • cCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard Yes; GB3836.1, GB3836.8 • for CLLus HazLoc / as File Nr. E240480 (MWHP, NWHP7) standards, specifications, approvals / other Ex nA IIC T4 Gc certificate of suitability EN 61000-6-2, EN 61000-6-4 • C.Tick Yes • caddita specification in accordance with EN 50155 No • railway application in accordance with EN 50155 No • alway application in accordance with EN 50155 No • Finch marine classification society (BV) Yes • Germanische Lloyd (CL) Yes • Loyds Register of Shipping Europ Ltd. (ABS) Yes • American Bureau of Shipping (LRS) Yes • Loyds Register of Shipping (LRS) Yes • Noyal Institution of Naval Architects (RINA) No		
certificate of suitability / CE marking Yes standards, specifications, approvals / hazardous environments EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability • CCC / for hazardous zone according to GB standard / as marking Yes; GB3836.1, GB3836.8 e for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other E240480 (NWHP, NWHP7) certificate of suitability Yes • CTick Yes • KC approval Yes • Rialway application in accordance with EN 50155 No • Iailway application in accordance with EN 50155 No • French marine classification society (BV) Yes • French marine classification society (BV) Yes • Loyds Register of Shipping LCRS) Yes • Lidys Register of Shipping LCRS) Yes • Nogal Institution of Naval Architects (RINA) Yes • Now Instruction of Internet link No		
standards, specifications, approvals / hazardous environments standard / for hazardous zone EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability • CCC / for hazardous zone according to GB standard / as marking • CCC / for hazardous zone according to GB standard / as marking • For ULus HazLoc / as File Nr. standards, specifications, approvals / other E240480 (NWHP, NWHP7) standards, specification in accordance with EN 50155 No • CTick Yes • Calimacy application in accordance with EN 50155 No • French marine classification society (BV) Yes • French marine classification society (BV) Yes • Cardinasce City (GL) Yes • Cardinasce City (RN) Yes • Cardinasce City (RN) Yes • Cardinasce (BV) Yes • Cardinasce (CIU) Yes • Cardinas association No • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) Yes • Loyds Register of Shipping (LRS) Yes		Vac
standard / for hazardous zone EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240460 certificate of suitability • CCC / for hazardous zone according to GB standard / as marking Yes; GB3836.1, GB3836.8 • for cJLus Hazloc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other E240480 (NWHP, NWHP7) standards, specifications, approvals / other Yes • frailway application in accordance with EN 50155 No • railway application in accordance with EN 50155 No • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification association No • French marine classification osciety (BV) Yes • Germanische Lloyd (GL) Yes • Loyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Royal Institution of Naval Architects (RINA) No further Information / Internet links Internet link • Loyds Register of Shipping LTS) Yes		100
0145x • from CSA and UL 0145x ANSI/ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, DT, C. L. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • C-Tick • C-Tick • Caproval • C-Tick • Captoroal • Captoroal • Captoroal • Tailway application in accordance with EN 50155 • alway application in accordance with EN 50155 • alway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Marine classification association • French marine classification society (BV) • Germanische Lloyd (GL) • Cloyds Register of Shipping (LRS) • Loyds Register of Shipping (LRS) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) • No	standards specifications approvals / hazardous opvironmente	
• from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability • CCC / for hazardous zone according to GB standard / as marking • CCC / for hazardous zone according to GB standard / as marking • CCC / for hazardous zone according to GB standard / as marking • CCC / for hazardous zone according to GB standard / as Ex nA IIC T4 Gc • for cULus HazLoc / as File Nr. • E240480 (NWHP, NWHP7) standards, specifications, approvals / other • C-Tick • C-Tick Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50155 No • railway application is accordance with EN 50154-1 No Marine classification association • • French marine classification society (BV) Yes • Germanische Lloyd (GL) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No • Turther Information / Internet link internet link		
certificate of suitability • CCC / for hazardous zone according to GB standard Yes; GB3836.1, GB3836.8, • CCC / for hazardous zone according to GB standard / as marking • Ex nA IIC T4 Gc • for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other Ex nA IIC T4 Gc certificate of suitability EN 61000-6-2, EN 61000-6-4 • C-Tick Yes • KC approval Yes • Call and ards, specification in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Standards, specification association Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) Yes Secondantice Lloyd (GL) Yes • Det Norske Veritas (DNV) Yes Yes Secondantice Condantice (RINA) Yes • Nipon Kaiji Kyokai (NK) Yes Secondantice (RINA) Yes • Royal Institution of Naval Architects (RINA) No Secondantice (RINA) • to web page: selection aid TIA Selection Tool http://www.siemens.com/lia-selection-tool		
• CCC / for hazardous zone according to GB standard Yes; GB3836.1, GB3836.8 • CCC / for hazardous zone according to GB standard / as marking Ex nA IIC T4 Gc • for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other Certificate of suitability EN 61000-6-4 • C-Tick Yes • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50155 No • railway application is accordance with EN 50124-1 No standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) Yes • Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet link Internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/ia-selection-tool	standard / for hazardous zone	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C,
• CCC / for hazardous zone according to GB standard / as marking Ex nA IIC T4 Gc • for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other EN 61000-6-2, EN 61000-6-4 certificate of suitability EN 61000-6-2, EN 61000-6-4 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Karine classification association • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) Yes • Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links No • to web page: selection aid TIA Selection Tool http://www.siemens.com/lia-selection-tool	standard / for hazardous zonefrom CSA and UL	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C,
• for cULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) standards, specifications, approvals / other certificate of suitability EN 61000-6-2, EN 61000-6-4 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification No standards, specification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) Yes • Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejest Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/lia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480
standards, specifications, approvals / other certificate of suitability EN 61000-6-2, EN 61000-6-4 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) Yes • Det Norske Veritas (DNV) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links http://www.siemens.com/tia-selection-tool	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8
certificate of suitability EN 61000-6-2, EN 61000-6-4 • C-Tick Yes • KC approval Yes • railway application in accordance with EN 50155 No • railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) Yes • Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc
• C-TickYes• KC approvalYes• railway application in accordance with EN 50155No• railway application in accordance with EN 50124-1Nostandards, specifications, approvals / marine classificationMarine classification associationNo• American Bureau of Shipping Europe Ltd. (ABS)No• French marine classification society (BV)Yes• Det Norske Veritas (DNV)Yes• Germanische Lloyd (GL)Yes• Lloyds Register of Shipping (LRS)Yes• Nippon Kaiji Kyokai (NK)Yes• Polski Rejestr Statkow (PRS)Yes• Royal Institution of Naval Architects (RINA)Nofurther information / internet link • to web page: selection aid TIA Selection Toolhttp://www.siemens.com/tia-selection-tool	 standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking for cULus HazLoc / as File Nr. 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc
KC approvalYes• railway application in accordance with EN 50155No• railway application in accordance with EN 50124-1Nostandards, specifications, approvals / marine classificationNostandards, specification association-• American Bureau of Shipping Europe Ltd. (ABS)No• French marine classification society (BV)Yes• Det Norske Veritas (DNV)Yes• Germanische Lloyd (GL)Yes• Lloyds Register of Shipping (LRS)Yes• Nippon Kaiji Kyokai (NK)Yes• Polski Rejestr Statkow (PRS)Yes• Royal Institution of Naval Architects (RINA)Nofurther information / internet link • to web page: selection aid TIA Selection Toolhttp://www.siemens.com/tia-selection-tool	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking for cULus HazLoc / as File Nr. standards, specifications, approvals / other 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7)
• railway application in accordance with EN 50155No• railway application in accordance with EN 50124-1Nostandards, specifications, approvals / marine classificationMarine classification association• American Bureau of Shipping Europe Ltd. (ABS)No• French marine classification society (BV)Yes• Det Norske Veritas (DNV)Yes• Germanische Lloyd (GL)Yes• Lloyds Register of Shipping (LRS)Yes• Nippon Kaiji Kyokai (NK)Yes• Polski Rejestr Statkow (PRS)Yes• Royal Institution of Naval Architects (RINA)Nofurther information / internet links• to web page: selection aid TIA Selection Toolhttp://www.siemens.com/tia-selection-tool	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4
railway application in accordance with EN 50124-1 No standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) No French marine classification society (BV) Yes Det Norske Veritas (DNV) Yes Germanische Lloyd (GL) Yes Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Yes Nippon Kaiji Kyokai (NK) Yes Royal Institution of Naval Architects (RINA) No further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability C-Tick 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes
standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Yes Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Yes Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) No further information / internet links internet link internet link http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes
Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) French marine classification society (BV) Yes Det Norske Veritas (DNV) Yes Germanische Lloyd (GL) Yes Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Yes Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) No further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool 	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability C-Tick KC approval railway application in accordance with EN 50155 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No
American Bureau of Shipping Europe Ltd. (ABS) No French marine classification society (BV) Yes Det Norske Veritas (DNV) Yes Germanische Lloyd (GL) Yes Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Yes Nippon Kaiji Kyokai (NK) Yes Royal Institution of Naval Architects (RINA) No further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone from CSA and UL certificate of suitability CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability C-Tick KC approval railway application in accordance with EN 50155 railway application in accordance with EN 50124-1 	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No
• French marine classification society (BV) Yes • Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links Internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No
• Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links Internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No
• Germanische Lloyd (GL) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) No further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No
Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Yes Polski Rejestr Statkow (PRS) Yes Royal Institution of Naval Architects (RINA) No further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No
Nippon Kaiji Kyokai (NK) Yes Polski Rejestr Statkow (PRS) Yes Royal Institution of Naval Architects (RINA) No further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No
Polski Rejestr Statkow (PRS) Yes Royal Institution of Naval Architects (RINA) No further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes
• Royal Institution of Naval Architects (RINA) No further information / internet links internet link internet link http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes Yes Yes
further information / internet links internet link • to web page: selection aid TIA Selection Tool <u>http://www.siemens.com/tia-selection-tool</u>	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes Yes Yes Yes
internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes
• to web page: selection aid TIA Selection Tool <u>http://www.siemens.com/tia-selection-tool</u>	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes
	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes
to website: Industrial communication <u>http://www.siemens.com/simatic-net</u>	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) further information / internet links internet link	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes
	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) further information / internet links internet link	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No No Yes Yes Yes Yes Yes Yes Yes Yes
to website: Industry Mall https://mall.industry.siemens.com	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) further information / internet links internet link • to web page: selection aid TIA Selection Tool	0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2, EN 61000-6-4 Yes Yes No No No No Yes Yes Yes Yes Yes Yes Yes Yes

• to website: Information and Download Center		enter <u>http:</u>	http://www.siemens.com/industry/infocenter			
 to website: Selection guide for cables and connectors to website: Image database 		d connectors <u>http</u>	https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb			
		<u>http:</u>				
 to website: CAx-Download-Manager to website: Industry Online Support 			http://www.siemens.com/cax https://support.industry.siemens.com			
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 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)			
Approvals / Certificates General Product App						
Ceneral Froduct App	i vitai					
<u>Manufacturer Declara-</u> <u>tion</u>	CE EG-Konf.	UK CA	<u>Miscellaneous</u>	EHC	(UL)	
General Product Approval	EMV		For use in hazardous	locations		
<u>Miscellaneous</u>	RCM	<u>Declaration of Con-</u> <u>formity</u>	IECEx	K ATEX	<u>EM</u>	
For use in hazardous	locations	Marine / Shipping				
<u>CCC-Ex</u>		BUREAU VERITAS		Lloyd's Register uts	RINA	
Marine / Shipping	Environment					
KMRS RMRS	<u>Confirmation</u>					
last modified:		11/9	/2023 🖸			