SIEMENS

Data sheet

6GK5205-3BD00-2TB2

product description



Preset for Ethernet/IP mode!

SCALANCE YRON5-3

SCALANCE XB205-3 managed Layer 2 IE Switch 5x IEC 62443-4-2 certified; 10/100 Mbps RJ45 ports 3x MM FO SC port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP

transfer rate transfer rate transfer rate intorfaces / for communication / integrated number of electrical connections • for network components or terminal equipment number of 100 Mbit/s SC ports • for multimode 3 interfaces / other number of electrical connections • for operator console • for operator console • for operator console • for management purposes • for power supply 1 type of electrical connection • for operator console • for management purposes • for power supply 1 type of electrical connection • for operator console • for management purposes • for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / rated value • power loss [W] / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient temperature • during operation • during storage • during transport • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights	product type designation	SCALANCE XB205-3
interfaces / for communication / integrated number of electrical connections • for network components or terminal equipment number of 100 Mbit/s SC ports • for multimode interfaces / other number of electrical connections • for operator console • for power supply 1 type of electrical connection • for operator console • for management purposes • for power supply 1 type of electrical connection • for operator console • for management purposes • for power supply • for power supply • for power supply **Supply voltage, current consumption, power loss product component / connection for redundant voltage supply **type of voltage / 1 / rated value • power loss [M] / 1 / rated value • power loss [M] / 1 / rated value • power loss [M] / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input **ambient temperature • during operation • during storage • during transport • during it ransport • during it ran	transfer rate	
number of electrical connections	transfer rate	10 Mbit/s, 100 Mbit/s
• for network components or terminal equipment number of 100 Mbit's SC ports • for multimode 3 Interfaces / other number of electrical connections • for operator console • for power supply 1 type of electrical connection • for power supply • for power supply 1 type of electrical connection • for operator console • for power supply • for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during storage • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP [P20]	interfaces / for communication / integrated	
number of 100 Mbit/s SC ports	number of electrical connections	
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Interfaces / other number of electrical connections • for operator console • for management purposes • for power supply type of electrical connection • for operator console • for operator console • for operator console • for management purposes • for power supply • for management purposes • for power supply • for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP In the form and the supply in the s	number of 100 Mbit/s SC ports	
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• for operator console • for management purposes • for power supply type of electrical connection • for operator console • for management purposes • for power supply • for management purposes • for power supply • for management purposes • for power supply • for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • power loss [W] / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights	interfaces / other	
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type of electrical connection • for operator console • for management purposes • for power supply • for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / rated value • supply voltage / 1 / rated value • power loss [VI] / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights	 for management purposes 	1
• for operator console • for management purposes • for power supply • for power supply • for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights	for power supply	1
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for power supply supply voltage, current consumption, power loss product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage	 for operator console 	RJ11
product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 design, dimensions and weights	 for management purposes 	RJ45
product component / connection for redundant voltage supply type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • supply voltag	• for power supply	6-pole terminal block
type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights	supply voltage, current consumption, power loss	
supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / rated value 19.2 28.8 V 6-pole terminal block Yes ambient component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP IP20 design, dimensions and weights		Yes
power loss [W] / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP relative humidits IP20 design, dimensions and weights	type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights 19.2 28.8 V 0 3 A 6-pole terminal block Yes 0 60 °C -40 +70 °C 195 % 	supply voltage / 1 / rated value	24 V
consumed current / 1 / maximum etype of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature eduring operation eduring storage eduring transport relative humidity eat 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights 0.3 A 6-pole terminal block Yes 0 60 °C -40 +70 °C -40 +70 °C 95 % IP20	power loss [W] / 1 / rated value	7.2 W
• type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights 6-pole terminal block Yes 6-pole terminal block Yes 6-pole terminal block Yes 6-pole terminal block Yes 10 60 °C -40 +70 °C -40 +70 °C P5 %	supply voltage / 1 / rated value	19.2 28.8 V
product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during transport • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights Yes 0 60 °C -40 +70 °C -40 +70 °C 1P20	consumed current / 1 / maximum	0.3 A
ambient conditions ambient temperature • during operation • during storage • during transport • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights 0 60 °C -40 +70 °C -40 +70 °C 195 % IP20	 type of electrical connection / 1 / for power supply 	6-pole terminal block
ambient temperature • during operation • during storage • during transport • during transport -40 +70 °C relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights 0 60 °C -40 +70 °C -40 +70 °C IP20	 product component / 1 / fusing at power supply input 	Yes
 during operation during storage during transport during transport telative humidity at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights 	ambient conditions	
• during storage • during transport • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights -40 +70 °C -40 +70 °C 195 % IP20	ambient temperature	
during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights -40 +70 °C 95 % IP20	during operation	0 60 °C
relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights IP20	during storage	-40 +70 °C
at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights P20	during transport	-40 +70 °C
maximum protection class IP design, dimensions and weights	•	
design, dimensions and weights		95 %
	protection class IP	IP20
design	design, dimensions and weights	
	design	Вох

width	80 mm
width	80 mm 117 mm
height	109 mm
depth	0.35 kg
net weight material / of the enclosure	Plastic
	Plastic
fastening method	Yes
35 mm top hat DIN rail mounting	
wall mounting C7 200 rail mounting	No No
S7-300 rail mountingS7-1500 rail mounting	No No
product features, product functions, product components	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineeri	
product function	···9
• CLI	Yes
web-based management	Yes
MIB support	Yes
TRAPs via email	Yes
• configuration with STEP 7	Yes
• RMON	Yes
port mirroring	Yes
multiport mirroring	No
• CoS	Yes
with IRT / PROFINET IO switch	No
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1522 byte
protocol / is supported	
Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
identification & maintenance function	
I&M0 - device-specific information	Yes
• I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	
• port diagnostics	Yes
statistics Packet Size	Yes
statistics packet type	Yes
• error statistics	Yes
SysLog	Yes
loopback diagnostics	Yes
product functions / VLAN	
product function	
VLAN - port based	Yes
VLAN - protocol-based	No
VLAN - IP-based	No

product functions / DHCP product functions / reclaimancy	VLAN dynamic	No
product function OHCP client product functions / rodundancy product functions / rodundancy - Inign speed redundancy Protocol (HRP) with redundancy manager - Inign speed redundancy protocol (HRP) with redundancy manager - Inign speed redundancy protocol (HRP) with redundancy manager - Inign speed redundancy protocol (HRP) with redundancy manager - Inign speed redundancy protocol (HRP) with standby redundancy protocol (Issue) - Inign speed redundancy protocol (HRP) with standby redundancy protocol (Issue) - Inign speed redundancy protocol (Issue) - Issue (Issue) - Iss		
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product function ing redundancy ing speed redundancy protocol (HRP) with standby redundancy manager ing speed redundancy protocol (MRP) with standby redundancy protocol / Is supported / Media Redundancy Protocol (MRP) product function media redundancy procedure RSTP redundancy procedure	·	Yes
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High Speed Redundancy Protocol (HRP) with redundancy manager	product function	
in high speed redundancy protocol (HRP) with redundancy manager in high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function image redundancy prococol (MRP) with redundancy manager in event redundancy prococol (MRP) with redundancy manager in redundancy prococol (MRPP) with redundancy manager in redundancy prococol (MRPP) with redundancy manager in the RPR-network in Parallel Redundancy Protocol (PRP)/Redundant manager in the RPR-network in the RP	 ring redundancy 	Yes
redundancy manager • high speed redundancy protocol (HRP) with standby redundancy protocol (supported / Media Redundancy Protocol (MRP) product function • media redundancy procedure STP • redundancy procedure RSTP	 High Speed Redundancy Protocol (HRP) 	Yes
redundancy protocol / Is supported / Media Redundancy Protocol (MRP) product function media redundancy procedure STP redundancy procedure RSTP redu	redundancy manager	Yes
(MRP) product function media redundancy protocol (MRP) with redundancy manager redundancy procedure STP redundancy procedure RSTP redundancy procedure RSTP redundancy procedure RSTP redundancy procedure RSTP redundancy procedure MSTP redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant No No Network Access (RNA) product functions security product functions letter 802.1x (radius) reduct functions supported redundancy Protocol (PRP)/Redundant No	redundancy	Yes
e media redundancy protocol (MRP) with redundancy nanager e redundancy procedure STP		Yes
manager redundancy procedure STP redundancy procedure RSTP redundancy procedure RSTP+ redundancy protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant No No reduct Redundancy Protocol (PRP)/Redundant No responsive listening reduct functions / security reduct functions / security reduct functions / security reduct function / supported reduct function / s	•	
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Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening yes product functions / security product function EEE 802.1x (radius)	• •	
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Network Access (RNA) passive listening product functions / security product function EEE 802 1x (radius)	the PRP-network	No
product functions / security product function • IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • broadcast blocking protocol / is supported • SSH • SSH product functions / time product functions / time product function • SICLOCK support • NTP • SNTP • SNTP • SNTP • SNTP • SNTP • STANDARD AND AND AND AND AND AND AND AND AND AN	Network Access (RNA)	
product function IEEE 802.1x (radius) broadcast functions/ yes broadcast blocking protocol / is supported SSH product functions / time product functions / time product function SICLOCK support Pyes protocol / is supported NTP SNTP SNTP SNTP SNTP SNTP SNTP FM3811: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 for safety / from CSA and UL for emitted interference for interference immunity IT security for industrial automation systems / according to IEC 612443-4-2:2019 reference code acc. to IEC 81346-2 according to IEC 81346-2:2019 reference code acc. to IEC 81346-2:2019 RFE standards, specifications, approvals / CE certificate of suitability / CE marking Yes standard, for hazardous zone ATEX 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes		Yes
IEEE 802.1x (radius) Prosedast/unicast limiter Product supported SSH Product functions / time Product functions / time Protocol / is supported SICLOCK support Protocol / is supported SICLOCK support Protocol / is supported SICLOCK support Protocol / is supported NTP STATE ST		
broadcast/multicast/unicast limiter	•	v.
broadcast blocking protocol / is supported	,	
protocol / is supported		
SSH product functions / time product function SICLOCK support Protocol / is supported NTP NTP SNTP STANDARD Specifications, approvals standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 IIC, T4 for safety / from CSA and UL for emitted interference for interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code acc. to IEC 81346-2 according to IEC 81346-2:2019 KFE Standards, specifications, approvals / CE certificate of suitability / CE marking Yes Standards, specifications, approvals / hazardous environments standard / for hazardous zone FN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 A TEX 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes		Yes
product function product function SICLOCK support		Van
product function		res
SICLOCK support protocol / is supported NTP NTP STAND STAND Standards, specifications, approvals standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2 TS security for industrial automation systems / according to IEC 62443-4-2:2019 reference code acc. to IEC 81346-2 according to IEC 81346-2:2019 Standards, specifications, approvals / CE certificate of suitability / CE marking standard / for hazardous zone FN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X NEW STANDARD ATEX 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes		
protocol / is supported NTP SNTP STAND Yes standards, specifications, approvals standard for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 for safety / from CSA and UL for emitted interference for interference immunity FM3610-6-4 (Class A) FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2 Yes Treference code acc. to IEC 81346-2: 2019 reference code acc. to IEC 81346-2: 2019 standards, specifications, approvals / CE certificate of suitability / CE marking standards, specifications, approvals / hazardous environments standard / for hazardous zone from CSA and UL Standard / for hazardous zone according to GB standard FN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes	P. C.	Yes
NTP SNTP Yes Standards, specifications, approvals standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 • for safety / from CSA and UL • for emitted interference • for interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code • acc. to IEC 81346-2 • according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking Standard / for hazardous zone • 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. 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, T5 certificate of suitability • CCC / for hazardous zone according to GB standard Yes		
**SNTP Yes **standards, specifications, approvals standard **of r FM **of or safety / from CSA and UL **of or emitted interference **of or interference immunity IT security for industrial automation systems / according to IEC 62/443-4-2:2019 reference code **acc. to IEC 81346-2 **according to IEC 81346-2:2019 **standards, specifications, approvals / CE certificate of suitability / CE marking **standard / for hazardous zone **of or interference **en 61000-6-4 (Class A) EN 61000-6-2 Yes **KF **standards, specifications, approvals / CE certificate of suitability / CE marking **standard / for hazardous zone **EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 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, T5 **certificate of suitability **CCC / for hazardous zone according to GB standard **Yes		Yes
standard • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 • for safety / from CSA and UL • for emitted interference • for interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code • acc. to IEC 81346-2 • according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking standards, specifications, approvals / hazardous environments standard / for hazardous zone • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 60950-1 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 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, T5		
For FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 For safety / from CSA and UL For emitted interference For interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code *acc. to IEC 81346-2 *according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking *standard / for hazardous zone *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, T5 Certificate of suitability *CCC / for hazardous zone according to GB standard Yes **Today And UL IT security for CSA and UL Standards (CE according to CE) IT security for industrial automation systems / according to 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, T5	standards, specifications, approvals	
IIC, T4 • for safety / from CSA and UL • for emitted interference • for interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code • acc. to IEC 81346-2 • according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking standard / for hazardous zone • from CSA and UL • from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 60950-1 EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 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, T5		
for safety / from CSA and UL for emitted interference for interference for interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code acc. to IEC 81346-2 according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking standard / for hazardous zone IN 60079-0:2006, EN 60079-15:2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X ANSI / ISA 12.12.01, CSA C22.2 No. 60950-1 EN 60079-0:2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes	• for FM	
for interference immunity	 for safety / from CSA and UL 	
IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code	 for emitted interference 	EN 61000-6-4 (Class A)
reference code	for interference immunity	EN 61000-6-2
 acc. to IEC 81346-2 according to IEC 81346-2:2019 KFE 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 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes 		Yes
 according to IEC 81346-2:2019 standards, specifications, approvals / CE certificate of suitability / CE marking 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes 		
standards, specifications, approvals / CE certificate of suitability / CE marking 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, T5 certificate of suitability • CCC / for hazardous zone according to GB standard Yes		
certificate of suitability / CE marking 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, T5 certificate of suitability • CCC / for hazardous zone according to GB standard Yes		KFE
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 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes		
standard / for hazardous zone EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 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, T5 certificate of suitability CCC / for hazardous zone according to GB standard Yes		**
ATEX 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, T5 Certificate of suitability ◆ CCC / for hazardous zone according to GB standard Yes		
B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T5 certificate of suitability • CCC / for hazardous zone according to GB standard Yes	standard / for hazardous zone	ATEX 0145X
CCC / for hazardous zone according to GB standard Yes	from CSA and UL	
·	•	
standards, specifications, approvals / other		Yes
	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

EN 61000-6-2, EN 61000-6-4

Yes

Yes

No

further information / internet-Links

Internet-Link

• to web page: selection aid TIA Selection Tool

• to website: Industrial communication

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

http://www.siemens.com/tia-selection-tool

http://www.siemens.com/simatic-net

https://mall.industry.siemens.com

http://www.siemens.com/industry/infocenter

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

security information

security information

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