## **SIEMENS**

## **Data sheet**



SCALANCE XF204-2BA managed IE switch, 4 x 10/100 Mbit/s, IEC 62443-4-2 certified; 2 x BusAdapter interface, error signaling contact, set pushbutton, redundant 24 V DC power supply, PROFINET device, extended temperature range -40 °C...+70 °C, conformal coating, with electr. manual on DVD, C-PLUG optional, supplied without BusAdapter

product type designation	SCALANCE XF204-2BA
product options	XF-200 base device without mounted BusAdapter
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for mo	dular devices
number of electrical ports / maximum	4
number of optical ports / maximum	2
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	0
interfaces / other	
number of electrical connections	
<ul> <li>for signaling contact</li> </ul>	1
• for power supply	1
type of electrical connection	
<ul> <li>for signaling contact</li> </ul>	2-pole terminal block
• for power supply	2-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
<ul> <li>supply voltage / 1 / rated value</li> </ul>	24 V
<ul><li>power loss [W] / 1 / rated value</li></ul>	8.6 W
<ul> <li>supply voltage / 1 / rated value</li> </ul>	19.2 28.8 V
<ul><li>consumed current / 1 / maximum</li></ul>	0.36 A
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	2-pole terminal block
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	2.5 A (cannot be changed by user)
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-40 +70 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
during transport	-40 +85 °C
relative humidity	

<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
design, dimensions and weights	11 20
	compact
design	compact
width	100 mm
height	117 mm
depth	74 mm
net weight	0.21 kg
fastening method	
35 mm top hat DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
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	50
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
TRAPs via email	Yes
<ul> <li>configuration with STEP 7</li> </ul>	Yes
<ul> <li>port mirroring</li> </ul>	Yes
<ul> <li>multiport mirroring</li> </ul>	Yes
<ul> <li>PROFINET IO diagnosis</li> </ul>	Yes
PROFINET conformity class	В
network load class / according to PROFINET	2
product function / switch-managed	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	No
• 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 packet type	Yes
• error statistics	Yes
product functions / VLAN	
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby	257
link)	
product functions / DHCP	
product function	
DHCP client	Yes
product functions / redundancy	



so of the PROPINET IO device / is supported / PROFINET system redundancy system redundancy in the PROFINET system redundancy system redundancy in the PROFINET system redundancy protocol (HRP) with redundancy in the PROFINET system redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy in the PROFINET System redundancy protocol (MRP) with redundancy protocol (MRP)		
system redundancy * ing redundancy protocol (HRP) * high speed Redundancy Protocol (HRP) with redundancy manager * high speed redundancy protocol (HRP) with redundancy manager * high speed redundancy protocol (HRP) with standby redundancy manager * high speed redundancy protocol (MRP) with standby redundancy manager * needs redundancy protocol (MRP) with redundancy	·	
*- Injity Report Redundancy Protocol (HRP) with redundancy manager in plays agreed redundancy protocol (HRP) with redundancy manager in plays agreed redundancy protocol (HRP) with standby redundancy in supported J Media Redundancy Protocol (MRP) yes product function in media redundancy protocol (MRP) with redundancy manager   *- Media Redundancy m		Yes
High Speed Redundancy Protocol (HRP) with redundancy manager     High Speed redundancy protocol (HRP) with redundancy manager     High Speed redundancy protocol (HRP) with standby redundancy manager     High Speed redundancy protocol (HRP) with standby redundancy manager     High Speed redundancy Protocol (MRP) with redundancy manager     High Speed		Vec
Injily speed redundancy protocol (HRP) with redundancy manager		
### supported / Media Redundancy protocol (MRP) with standby redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy manager  * Media Redundancy Protocol (MRP) with redundancy manager  * Media Redundancy Protocol interconnection (MRPI)  * Media Redundancy Protocol for Planned Duplication (MRPI)  * Media Redundancy Protocol for Planned Duplication (MRPI)  * Media Redundancy Protocol (PRP) Media for No (MRPI)  * Of the PROFINET TO device / is supported / H-Sync forwarding  * Cedundancy procodure RSTP+  * Parallel Redundancy Protocol (PRP) Media for No No PPP-Network Acress (RMA)  * Parallel Redundancy Protocol (PRP) Media for No No No Acress (RMA)  * Parallel Redundancy Protocol (PRP) Media for No No No Acress (RMA)  * Parallel Redundancy Protocol (PRP) Media for No No No Acress (RMA)  * Parallel Redundancy Protocol (PRP) Media for No No No No Acress (RMA)  * Parallel Redundancy Protocol (PRP) Media for No		
redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function  - media redundancy Protocol (MRP) with redundancy manager  - Media Redundancy Protocol (MRP) with redundancy manager  - Media Redundancy Protocol for Planned Duplication (MRPD)  - Media Redundancy Protocol for Planned Duplication (MRPD)  - Media Redundancy Protocol for Planned Duplication (MRPD)  - The PROFINET IO device / is supported / H-Sync forwarding - redundancy protocol (PRP)/Separation in the PRP-redundancy Protocol (PRP)/Separation in the PRP-redundancy Protocol (PRP)/Sedundant Network - Paralle Redundancy Protocol (PRP)/Redundant Network - Access (RNA) - passive listening - product functions / security - SSH		165
product function  manager  Media Redundancy Protocol Interconnection (MRP-4)  Media Redundancy Protocol for Planned Duplication (MRP-9)  of the PROFINET IO device / is supported / H-Sync forwarding e-redundancy procedure RSTP+  Parallel Boundancy Protocol (PRP)/operation in the PRP-Redundancy Protocol (PRP)/Redundant Network Access (RNA)  - passive listering product functions / security protocol / is supported  - SSH  Yes  Product functions / security protocol / is supported  - SICLOCK support  Protocol / is supported  - NTP  - SNTP  - To remitted interference  - for interference immunity  If security for industrial automation systems / according to IEC  - according to IEC 81346-2  - accordin		Yes
**media redundancy protocol (MRP) with redundancy manager     **Media Redundancy Protocol interconnection (MRP-4)     **Media Redundancy Protocol interconnection (MRP-4)     **Media Redundancy Protocol interconnection (MRP-4)     **Order Manager Man	protocol / is supported / Media Redundancy Protocol (MRP)	Yes
manager  • Media Redundancy Protocol Interconnection (MRP-I) • Media Redundancy Protocol for Planned Duplication (MRP-I) • Media Redundancy Protocol for Planned Duplication (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • redundancy procedure RSTP+ • Parallel Redundancy Protocol (PRP) (PR) (PR) (PR) • Parallel Redundancy Protocol (PRP) (PR) • SNTP  • In Manager (PR) • SNTP  • SNTP	product function	
Media Redundancy Protocol for Planned Duplication (NRPIP)  of the PROFINET IO device / is supported / H-Sync forwarding  e-redundancy procedure RSTP+ Parallel Redundancy Protocol (PRP) operation in the No PRP-reduce (PRP) operation in the No PRP-reduce (PRP) operation in the No PRP-reduce (PRP) operation in the No PRP-reduced (PRP) operation in the No Parallel Redundancy Protocol (PRP) Redundant Network Access (RMA) Passave Istening  product functions / security  protocol / is supported SST Yes  product functions / time  product functions / time  product functions / time  product functions / time  product function / System No No Protocol / Issupported  No SICLOCK support  No No System modification during operation  protocol / is supported  No No Protocol / Issupported  No Find No Protocol / Issupported  No Protocol / Issupported  No No Protocol / I		Yes
(NRPD)  of the PROFINET IO device / is supported / H-Sync forwarding redundancy procedure RSTP+ Parallel Redundancy Protocol (PRP)/Operation in the PRP-Re-Notice Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Passive Islanding Product functions / security Protocol / is supported SSH Yes  Product functions / security Protocol / is supported SICLOCK support  No SICLOCK support  No SICLOCK support  No SITP No SITP No SITP No SITP No SITP No SITP System modification during operation Product function / configuration in RUN via CIR/H-CIR Standards, specifications, approvals  standard for FM FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL. 1, Zone 2, GP. IIC, T4, FM10US0205X	<ul> <li>Media Redundancy Protocol Interconnection (MRP-I)</li> </ul>	Yes
forwarding redundancy procedure RSTP+ Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Parallel Redundancy Parallel Redundant Network Parallel Redundancy Protocol (PRP)/Redundant Network Parallel Redundant Network Para		No
Parallel Redundancy Protocol (PRP)/eperation in the PRP-network PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive Islaning Yes  Product functions / security  protocol / is supported SSH Yes  Product function SICLOCK support No Protocol / is supported SICLOCK support No Protocol / is supported No No SICLOCK support No No SICLOCK support No Protocol / is supported No No SICLOCK support No Protocol / is supported No No SICLOCK support No Protocol / is supported No No SICLOCK support No Protocol / is supported No No SICLOCK support No Protocol / is supported No No SICLOCK support No No No No No SICLOCK support No		Yes
PRIPADE ACCORD (PRP)/Redundant Network Access (RNA)  Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  passive listering  product functions / security  protocol / is supported  SSH Yes  Product functions / security  protocol / is supported  No  SICLOCK support No  No  Postory No  SNTP  System modification during operation  product function / configuration in RUN via CIR/H-CIR  system modification during operation  product function / configuration in RUN via CIR/H-CIR  standards, specifications, approvals  standard  for PM  for emitted interference  for interference immunity  IT security for industrial automation systems / according to IEC 81440-4-22019  reference code  according to IEC 81346-2  according to IEC 81346-22019  standards, specifications, approvals / CE  certificate of suitability / CE marking  Yes  standards, specifications, approvals / hazardous environments  standard / for hazardous zone  FIN 80078-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX  O145X.  ANSI / ISA 12.12.01, CSA C22.2 to, 213-M1987, CL. 1 / Div. 2 / GP. A, B, C,  O145X.  Yes  Standards, specifications, approvals / Other  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  CCT / Cr hazardous zone according to GB standard / as marking  for cULUs HazLoc / as File Nr.  Standards, specifications, spprovals / other  certificate of suitability  CCT / Cr hazardous zone according to GB standard / as marking  for cULUs HazLoc / as File Nr.  Standards, specifications, spprovals / other  certificate of suitability  CCT / Cr hazardous zone according to GB standard / as marking  for cULUs HazLoc / as File Nr.  Standards, specifications, spprovals / other  certificate of suitability  CCT / Cr hazardous zone  File Nr.  Standards, specifications, spprovals / other  CCT / Cr hazardous zone  Standards, specifications, spproval	<ul><li>redundancy procedure RSTP+</li></ul>	Yes
Access (RNA)  passive listening  product functions / security  protocol / is supported		No
product functions / security  protocol / is supported	• • • • • • • • • • • • • • • • • • • •	No
protocol / is supported	• passive listening	Yes
SSH yres  product functions / time  product function / SICLOCK support  No  SICLOCK support  No  No  SITP  No  SNTP  SSMTP  System modification during operation  product function / configuration in RUN via CIR/H-CIR  Standards  • for FM  • for FM  • for emitted interference  • for emitted interference  • for interference immunity  IT security for industrial automation systems / according to IEC  62443-4-2:2019  reference code  • according to IEC 81346-2  • according to IEC 81346-2:2019  reference of suitability / CE marking  Standard / for hazardous zone  • from CSA and UL  CCC / for hazardous zone according to GB standard  • CCC / for hazardous zone accordin	product functions / security	
product functions / time  product function  SICLOCK support  No  SICLOCK support  No  SICLOCK support  NO  NO  NO  SICLOCK support  NO  NO  NO  NO  NO  NO  NO  NO  NO  N	protocol / is supported	
product function  SICLOCK support  No  SICLOCK supported  NTP  No  SNTP  System modification during operation  product function / configuration in RUN via CIR/H-CIR  System modification during operation  product function / configuration in RUN via CIR/H-CIR  System modification during operation  product function / configuration in RUN via CIR/H-CIR  System modification during operation  product function / configuration in RUN via CIR/H-CIR  System modification during operation  product function / configuration in RUN via CIR/H-CIR  System modification during operation  Product function / configuration in RUN via CIR/H-CIR  Yes  Standards, specifications, approvals  Standard for interference immunity  Standards, specifications, approvals / CE  certificate of suitability / CE marking  Standards, specifications, approvals / hazardous environments  standard / for hazardous zone  Standards, specifications, approvals / hazardous environments  standard / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard  CCC / for hazardous zone according to GB standard / se  marking  For cULUS HazLoc / se File Nr.  Standards, specifications, approvals / other  certificate of suitability  CCTICK  Yes  Standards, specifications, approvals / other  certificate of suitability  CCTICK  Yes  Standards, specifications, approvals / other  certificate of suitability  CCTICK  Yes  Standards, specifications, approvals / other  CCTICK  Yes  Standards,	• SSH	Yes
SICLOCK supported  No protocol / is supported  No No SNTP Ne SNTP Yes  System modification during operation product function / configuration in RUN via CiR/H-CiR Standards, specifications, approvals  standard  • for FM FM3811: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM18US0205X EN 61000-6-4:2001 (Class A) EN 61000-6-2, EN 61000-6-4  IT security for industrial automation systems / according to IEC 22443-4-22019 reference code • according to IEC 81346-2-2019 KFE  standards, specifications, approvals / hazardous environments standard/s, specifications, approvals / hazardous environments 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, T4, FM18US0205X 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, E223122  certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / Sex marking • for culture HazLoc / as File Nr.  standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / Yes; GB3836.1, GB3836.8 Ex nA IIC T4 GC  standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / Yes; GB3836.1, GB3836.8 Ex nA IIC T4 GC  standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / Yes; GB3836.1, GB3836.8 Ex nA IIC T4 GC  standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / Yes; GB3836.1, GB3836.8 Ex nA IIC T4 GC  standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / Yes; GB3836.1, GB3836.8 Ex nA IIC T4 GC  standards, Specifications, approvals / other certificate of suitability • CCC / for hazardous zone according	product functions / time	
protocol / is supported  NTP  No  No  SNTP  Yes  system modification during operation  product function / configuration in RUN via CIR/H-CIR  standards, specifications, approvals  standard  • for FM  FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0206X  • for emitted interference • for interference immunity  IT security for industrial automation systems / according to IEC 22443-4-22019  reference code • according to IEC 81346-2 • according to IEC 81346-2 • according to IEC 81346-2:2019  standards, specifications, approvals / CE certificate of suitability / CE marking  * from CSA and UL  OT4, CL. 1 / Zone 2, GP. IIC, T4, FM16US0206X  ANSI / ISA 12.12.01, CSA 022.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D / T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122  certificate of suitability • CCC / for hazardous zone according to GB standard / CCC / for hazardous zone according to GB standard / GP. A, C. II. 1 / Cone 2 / GP. IIC, T4, E223122  certificate of suitability • CCC / for hazardous zone according to GB standard / GP. A, C. II. 2 / GP. A, B, C, D / T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122  certificate of suitability • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr.  standards, specifications, approvals / other  certificate of suitability • CTICk • (KC approval • railway application in accordance with EN 50155  No	product function	
No Yes  SNTP  SINTP  SYSTEM MODIFICATION  PRODUCT function / configuration in RUN via CiR/H-CirR  Product function / configuration in RUN via CiR/H-CirR  Standard  • for FM  FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X  • for emitted interference • for interference immunity  IT security for industrial automation systems / according to IEC 62443-4: 2:2019  reference code • according to IEC 81346-2: KFE  standards, specifications, approvals / CE  certificate of suitability / CE marking  standards, specifications, approvals / hazardous environments  standard / for hazardous zone  • from CSA and UL  certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazar	SICLOCK support	No
SNTP System modification during operation product function / configuration in RUN via CiR/H-CiR standards, specifications, approvals standard  • for FM FM3811: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM18US0205X  • for emitted interference • for interference immunity FM3811: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM18US0205X  • for interference immunity FM 61000-6-4; 2001 (Class A) FM 61000-6-2, EN 61000-6-4  FM 62443-4-22019  reference code • according to IEC 81346-2 • according to IEC 81346-2.2019  standards, specifications, approvals / CE certificate of suitability / CE marking • from CSA and UL  certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / SCC / for hazardous zone according to GB stand	protocol / is supported	
system modification during operation product function / configuration in RUN via CIR/H-CIR standards, specifications, approvals standard • for FM FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16USS205X EN 61000-6-4:2001 (Class A) • for interference immunity EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 (Class A)  FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16USS205X EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 (Class A) FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16USS205X EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 (Class A) FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16USS205X EN 61000-6-4:2001 (Class A) EN 61000-6-4:2001 (Class A) FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, E20012  Yes  ### Condition of the control of the cont	• NTP	No
product function / configuration in RUN via CIR/H-CIR  standards, specifications, approvals  standard  • for FM  • for FM  • for emitted interference • for interference immunity  IT security for industrial automation systems / according to IEC 62443-4-2:2019  reference code • according 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  certificate of suitability • CCC / for hazardous zone according to GB standard • 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 • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • 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  No	• SNTP	Yes
standard  • for FM  - for FM  - for emitted interference -	system modification during operation	
standard  • for FM  FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X  • for emitted interference • for interference immunity  IT security for industrial automation systems / according to IEC 62443-4-2:2019  reference code • according to IEC 81346-2 • according to IEC 81346-2:2019  standards, specifications, approvals / CE certificate of suitability / CE marking • from CSA and UL  certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone accordi	product function / configuration in RUN via CiR/H-CiR	Yes
FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16USQ205X   FM 61000-6-4:2001 (Class A)	standards, specifications, approvals	
FM16USQ205X	standard	
for interference immunity     IT security for industrial automation systems / according to IEC 62443-4-2:2019  reference code	• for FM	
IT security for industrial automation systems / according to IEC 62443-4-2:2019  reference code  • according 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  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  • CCC / for hazardous zone according to GB standard / as marking  • for cULus HazLoc / as File Nr.  standards, specifications, approvals / other  certificate of suitability  • CC - Tick  • C-Tick  • C-Tick  • KC approval  • railway application in accordance with EN 50155  No	• for emitted interference	EN 61000-6-4:2001 (Class A)
reference code  • according to IEC 81346-2  • according to IEC 81346-2:2019  standards, specifications, approvals / CE  certificate of suitability / CE marking  • from CSA and UL  certificate of suitability  • CCC / for hazardous zone according to GB standard  • CCC / for hazardous zone according to GB standard  • 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  • KF		EN 61000-6-2, EN 61000-6-4
according 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  after a first fi		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		
standards, specifications, approvals / CE  certificate of suitability / CE marking  standards, specifications, approvals / hazardous environments  standard / for hazardous zone  standard / for hazardous zone  ertificate 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   Yes  Standards, specifications, approvals / No	<u> </u>	
certificate of suitability / CE marking  standards, specifications, approvals / hazardous environments  standard / for hazardous zone  environments  EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X  environments  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, T4, E223122  certificate of suitability  environments  certificate of suitability  for cULus HazLoc / as File Nr.  standards, specifications, approvals / other  certificate of suitability  environments  EN 61000-6-2, EN 61000-6-4  environments  Yes  No		KFE
standards, specifications, approvals / hazardous environments  standard / for hazardous zone  • from CSA and UL  • 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  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, T4, E223122  Yes; GB3836.1, GB3836.8  Ex nA IIC T4 Gc  Ex nA IIC T4 Gc  Ex nA IIC T4 Gc  Standards, specifications, approvals / other  certificate of suitability  • C-Tick  • KC approval  • railway application in accordance with EN 50155  No	standards, specifications, approvals / CE	
standard / for hazardous zone  • from CSA and UL  • 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, E223122  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.  E223122 (NRAG, NRAG7)  standards, specifications, approvals / other  certificate of suitability  • C-Tick  • KC approval  • railway application in accordance with EN 50155  No	certificate of suitability / CE marking	Yes
of from CSA and UL      of from CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C22.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E223122      of From CSA C2.2 No. 213-M1987, CL. 1 / Zone 2 / GP. IIC, T4, E2231	standards, specifications, approvals / hazardous environments	
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.  E223122 (NRAG, NRAG7)  standards, specifications, approvals / other  certificate of suitability  • C-Tick  • KC approval  • railway application in accordance with EN 50155  D T4, CL. 1 / Zone 2 / GP. IIC, T4, E223122  Yes, GB3836.1, GB3836.8  Ex nA IIC T4 Gc  EX nA I	standard / for hazardous zone	
CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking  for cULus HazLoc / as File Nr.  E223122 (NRAG, NRAG7)  Standards, specifications, approvals / other  Certificate of suitability CCC / for hazardous zone according to GB standard / as Ex nA IIC T4 Gc E223122 (NRAG, NRAG7)  EN 61000-6-2, EN 61000-6-4 Yes KC approval FIN 61000-6-2, EN 61000-6-4 Yes FIN 61000-6-3, EN 61000-6-4 Yes FIN 61000-6-4 Yes FIN 61000-6-5, EN 61000-6-5 Yes FIN 61000-6-5 Yes	• from CSA and UL	
CCC / for hazardous zone according to GB standard / as marking  for cULus HazLoc / as File Nr.  E223122 (NRAG, NRAG7)  Standards, specifications, approvals / other  Certificate of suitability  C-Tick  KC approval  railway application in accordance with EN 50155  Ex nA IIC T4 Gc  E223122 (NRAG, NRAG7)  EN 61000-6-2, EN 61000-6-4  Yes  Yes  No	certificate of suitability	
marking  • for cULus HazLoc / as File Nr.  E223122 (NRAG, NRAG7)  standards, specifications, approvals / other  certificate of suitability  • C-Tick  • KC approval  • railway application in accordance with EN 50155	<ul> <li>CCC / for hazardous zone according to GB standard</li> </ul>	Yes; GB3836.1, GB3836.8
standards, specifications, approvals / other  certificate of suitability  • C-Tick  • KC approval  • railway application in accordance with EN 50155  EN 61000-6-2, EN 61000-6-4  Yes  Yes  No		Ex nA IIC T4 Gc
certificate of suitability	• for cULus HazLoc / as File Nr.	E223122 (NRAG, NRAG7)
◆ C-Tick     ◆ KC approval     ◆ railway application in accordance with EN 50155     No	standards, specifications, approvals / other	
◆ C-Tick     ◆ KC approval     ◆ railway application in accordance with EN 50155     No	certificate of suitability	EN 61000-6-2, EN 61000-6-4
• railway application in accordance with EN 50155	•	
	KC approval	Yes
	• •	No
		No



standards analifications approvals / marine algorification	
standards, specifications, approvals / marine classification	
Marine classification association	
<ul> <li>French marine classification society (BV)</li> </ul>	Yes
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes
accessories	
product extension / optional / C-PLUG	Yes
further information / internet links	
internet link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
• to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit

https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6)

Approvals / Certificates

General Product Approval

**EMC** 

For use in hazardous locations





ATEX-Zone 2-Declaration



<u>FM</u>

CCC-Ex

For use in hazardous locations

**Declaration of Conformity** 

Marine / Shipping





Manufacturer Declaration



Miscellaneous



## Marine / Shipping





NK / Nippon Kaiji Kyokai







other

PROFINET-Certification



last modified: 11/9/2023 🖸

