SIEMENS

Data sheet

6GK5008-0BA00-1AB2

Product type designation



SCALANCE XB008

SCALANCE XB008 UNMANAGED INDUSTRIAL ETHERNET SWITCH FOR 10/100MBIT/S; WITH 8 X 10/100MBIT/S TWISTED PAIR- PORTS WITH RJ45-SOCKETS; FOR CONFIGURING SMALL STAR- AND LINE TOPOGRAPHIES; LED-DIAGNOSIS, IP20, 24 V DC POWER SUPPLY, MANUAL AVAILABLE AS DOWNLOAD

Transfer rate 10 Mbit/s, 100 Mbit/s
Interference / few accommunication / interpreted
Interfaces / for communication / integrated
Number of electrical connections
• for network components or terminal equipment 8; RJ45
Number of 100 Mbit/s SC ports
• for multimode 0
Number of 1000 Mbit/s LC ports
• for multimode 0
• for single mode (LD)
Interfaces / others
Number of electrical connections
• for power supply 1
Type of electrical connection
• for power supply 3-pole terminal block
Supply voltage, current consumption, power loss
Type of voltage / of the supply voltage DC

Supply voltage	
external	24 V
	19.2 28.8 V
• external	
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage Consumed current / maximum	0.6 A / 60 V 0.12 A
	0.12 A
Power loss [W]	2.88 W
• at DC / at 24 V	2.00 VV
Permitted ambient conditions	
Ambient temperature	40
during operation	-10 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
Relative humidity	
at 25 °C / without condensation / during	95 %
operation / maximum	
Protection class IP	IP20
Design, dimensions and weight	
Design	Box
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.18 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
wall mounting	Yes
• S7-1500 rail mounting	No
Product functions / management, configuration	
Product function	
 multiport mirroring 	No
• CoS	Yes
• switch-managed	No
Product functions / Redundancy	
Product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
Standards, specifications, approvals	
Standard	

Standard

• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
● KC approval	Yes
MTBF / at 40 °C	214 y

Further Information / Internet Links

Internet-Link

• to website: Selector SIMATIC NET 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/snst

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

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

06/13/2017

newsletter. For more information, visit

http://support.automation.siemens.com. (V3.4)

last modified:

6GK5004-1BD00-1AB2

Data sheet



SCALANCE XB004-1 unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 4x 10/100 Mbit/s twisted pair ports with RJ45 sockets; 1 x 100 Mbit/s multimode glass fiber-optic cable port with SC socket; manual available as a download.

product type designation	
product brand name	SCALANCE
product type designation	XB004-1
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; RJ45
number of 100 Mbit/s SC ports	
• for multimode	1
transmission method / of the optical interface	100BaseFX
interfaces / other	
number of electrical connections	
• for power supply	1
type of electrical connection	
• for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	2.64 W
supply voltage / 1 / rated value	19.2 28.8 V
consumed current / 1 / maximum	0.11 A
 type of electrical connection / 1 / for power supply 	3-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
type of voltage / 2 / of the supply voltage	AC
supply voltage / 2 / rated value	19.2 28.8 V
ambient conditions	
ambient temperature	
during operation	-10 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
relative humidity	
at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm
height	100 mm

	07
depth	87 mm
net weight	0.165 kg
fastening method	
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
 multiport mirroring 	No
• CoS	Yes
switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
for EMC interference emission	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEX	Yes
ULhazloc approval	Yes
CCC / for hazardous zone according to GB standard	Yes
FM registration	Yes
	i es
standards, specifications, approvals / other	
certificate of suitability	V
RoHS conformity	Yes
standards, specifications, approvals / Environmental Product D	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	141.3 kg
during manufacturing	15.99 kg
during operation	125.18 kg
after end of life	0.15 kg
product functions / general	
MTBF	232 a
reference code	
 according to IEC 81346-2 	KF
 according to IEC 81346-2:2019 	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; according to IEC 61406-1:2022
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
to website: Image database	https://www.automation.siemens.com/bilddb
to website: CAx-Download-Manager	https://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
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security information

Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

EMV



Declaration of Conformity







KC

For use in hazardous locations

Test Certificates





<u>FM</u>



CCC-Ex

Special Test Certific-<u>ate</u>

Environment

Industrial Communication

Confirmation



PROFINET

last modified:



Data sheet 6GK5004-1BF00-1AB2



SCALANCE XB004-1LD unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 4x 10/100 Mbit/s twisted pair ports with RJ45 sockets; 1 x 100 Mbit/s single-mode glass fiber-optic cable port with SC socket; manual available as a download

product type designation		
product brand name	SCALANCE	
product type designation	XB004-1LD	
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; RJ45	
number of 100 Mbit/s SC ports		
• for multimode	0	
• for single mode (LD)	1	
transmission method / of the optical interface	100BaseLX LD	
interfaces / other		
number of electrical connections		
for power supply	1	
type of electrical connection		
• for power supply	3-pole terminal block	
supply voltage, current consumption, power loss		
type of voltage / 1 / of the supply voltage	DC	
supply voltage / 1 / rated value	24 V	
power loss [W] / 1 / rated value	2.4 W	
supply voltage / 1 / rated value	19.2 28.8 V	
consumed current / 1 / maximum	0.1 A	
 type of electrical connection / 1 / for power supply 	3-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	
type of voltage / 2 / of the supply voltage	AC	
supply voltage / 2 / rated value	19.2 28.8 V	
ambient conditions		
ambient temperature		
during operation	-10 +60 °C	
during storage	-40 +80 °C	
during transport	-40 +80 °C	
relative humidity		
 at 25 °C / without condensation / during operation / maximum 	95 %	
protection class IP	IP20	
design, dimensions and weights		
design	Box	
width	45 mm	

hoight	100 mm
height	100 mm
depth	87 mm
net weight	0.165 kg
fastening method	V.
35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
multiport mirroring	No
• CoS	Yes
switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
for EMC interference emission	EN 61000-6-4 (Class A)
for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
ULhazloc approval	Yes
CCC / for hazardous zone according to GB standard	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
RoHS conformity	Yes
standards, specifications, approvals / Environmental Product Dec	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	141.2 kg
• total	141.3 kg
during manufacturing during expertises.	15.99 kg
during operation after and of life	125.18 kg
after end of life	0.15 kg
product functions / general	200
MTBF	238 a
reference code	We.
according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
Warranty period	
product function / is supported / identification link	5 a
	5 a Yes; according to IEC 61406-1:2022
further information / internet links	
	Yes; according to IEC 61406-1:2022
further information / internet links internet link • to website: Selection guide for cables and connectors	Yes; according to IEC 61406-1:2022 https://support.industry.siemens.com/cs/ww/de/view/109766358
further information / internet links internet link	Yes; according to IEC 61406-1:2022
further information / internet links internet link • to website: Selection guide for cables and connectors	Yes; according to IEC 61406-1:2022 https://support.industry.siemens.com/cs/ww/de/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net
internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool	Yes; according to IEC 61406-1:2022 https://support.industry.siemens.com/cs/ww/de/view/109766358 https://www.siemens.com/tstcloud
internet link internet link to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication	Yes; according to IEC 61406-1:2022 https://support.industry.siemens.com/cs/ww/de/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net

• to website: Industry Online Support

https://support.industry.siemens.com

security information

security information

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Approvals / Certificates

General Product Approval

EMV



Declaration of Conformity







<u>KC</u>

For use in hazardous locations

Test Certificates







<u>FM</u>



CCC-Ex

Special Test Certific-<u>ate</u>

Environment

Industrial Communication

Confirmation



PROFINET

last modified:



Data sheet

6GK5004-1GL10-1AB2



SCALANCE XB004-1G unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100/1000 Mbit/s RJ45 ports electrical and 1 x 1000 Mbit/s SC-port optical (multimode, glass), up to max. 750 m Manual available as a download .

product type designation		
product brand name	SCALANCE	
product type designation	XB004-1G	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	4; RJ45	
number of 100 Mbit/s SC ports		
• for multimode	0	
number of 1000 Mbit/s SC ports		
for multimode	1	
transmission method / of the optical interface	1000BaseFX	
interfaces / other		
number of electrical connections		
for power supply	1	
type of electrical connection		
• for power supply	3-pole terminal block	
supply voltage, current consumption, power loss		
type of voltage / 1 / of the supply voltage	DC	
supply voltage / 1 / rated value	24 V	
power loss [W] / 1 / rated value	12.5 W	
supply voltage / 1 / rated value	19.2 28.8 V	
consumed current / 1 / maximum	0.52 A	
 type of electrical connection / 1 / for power supply 	3-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 	-10 +60 °C	
during storage	-40 +80 °C	
during transport	-40 +80 °C	
relative humidity		
at 25 °C / without condensation / during operation / maximum	95 %	
protection class IP	IP20	
design, dimensions and weights		
design	Box	
width	45 mm	
height	100 mm	

	07
depth	87 mm
net weight	0.21 kg
fastening method	
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
 multiport mirroring 	No
• CoS	Yes
switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
for EMC interference emission	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEX	Yes
CCC / for hazardous zone according to GB standard	Yes
FM registration	Yes
standards, specifications, approvals / other	165
certificate of suitability	V
RoHS conformity	Yes
standards, specifications, approvals / Environmental Product Do	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	141.3 kg
during manufacturing	15.99 kg
during operation	125.18 kg
after end of life	0.15 kg
product functions / general	
MTBF	124 a
reference code	
 according to IEC 81346-2 	KF
• according to IEC 81346-2:2019	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; according to IEC 61406-1:2022
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to website: Industrial communication	https://www.siemens.com/simatic-net
to web page: SiePortal	https://sieportal.siemens.com/
to web page. Sich ortal to website: Image database	https://www.automation.siemens.com/bilddb
to website: Image database to website: CAx-Download-Manager	https://www.siemens.com/cax
to website: CAx-Download-inlanager to website: Industry Online Support	https://support.industry.siemens.com
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security information	

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Approvals / Certificates

General Product Approval

FMV

For use in hazardous locations



Declaration of Conformity





<u>KC</u>



IECEX

For use in hazardous locations

Environment

Industrial Communication



<u>FM</u>

CCC-Ex



PROFINET

last modified:

6GK5004-1GM10-1AB2

Data sheet



SCALANCE XB004-1LDG unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100/1000 Mbit/s RJ45 Ports electrical and 1 x 1000 Mbit/s SC-port optical (single-mode, glass), up to max. 10 km Manual available as a download .

product type designation		
product brand name	SCALANCE	
product type designation	XB004-1LDG	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	4; RJ45	
number of 100 Mbit/s SC ports		
for multimode	0	
number of 1000 Mbit/s SC ports		
• for single mode (LD)	1	
transmission method / of the optical interface	1000BaseLX LD	
interfaces / other		
number of electrical connections		
for power supply	1	
type of electrical connection		
• for power supply	3-pole terminal block	
supply voltage, current consumption, power loss		
type of voltage / 1 / of the supply voltage	DC	
supply voltage / 1 / rated value	24 V	
power loss [W] / 1 / rated value	12.5 W	
supply voltage / 1 / rated value	19.2 28.8 V	
consumed current / 1 / maximum	0.52 A	
type of electrical connection / 1 / for power supply	3-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	-10 +60 °C	
during storage	-40 +80 °C	
during transport	-40 +80 °C	
relative humidity		
 at 25 °C / without condensation / during operation / maximum 	95 %	
protection class IP	IP20	
design, dimensions and weights		
design	Box	
width	45 mm	
height	100 mm	

depth	87 mm
net weight	0.168 kg
fastening method	
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
multiport mirroring	No
• CoS	Yes
switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
 for EMC interference emission 	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
 CCC / for hazardous zone according to GB standard 	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
RoHS conformity	Yes
standards, specifications, approvals / Environmental Product D	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	141.3 kg
during manufacturing	15.99 kg
during operation	125.18 kg
after end of life and the functions / general	0.15 kg
product functions / general	404 -
MTBF	124 a
reference code	KE
according to IEC 81346-2 according to IEC 81346 3:2019	KF KFE
according to IEC 81346-2:2019 Warranty period	5 a
product function / is supported / identification link	Yes; according to IEC 61406-1:2022
further information / internet links	160, 460014111g to 1EO 0 1700-1.2022
internet link	
to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
to website. Selection guide for cables and connectors to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to web page. Selection and The Selection Tool to website: Industrial communication	https://www.siemens.com/simatic-net
to web site: industrial communication to web page: SiePortal	https://sieportal.siemens.com/
• to web page. Sier ortal • to website: Image database	https://www.automation.siemens.com/bilddb
to website: Image database to website: CAx-Download-Manager	https://www.siemens.com/cax
to website: CAX-Download-ivialiage to website: Industry Online Support	https://support.industry.siemens.com
security information	- THE STATE OF THE
- Information	

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Approvals / Certificates

General Product Approval

FMV

For use in hazardous locations



Declaration of Conformity





<u>KC</u>



IECEX

For use in hazardous locations

Environment

Industrial Communication



<u>FM</u>

CCC-Ex



PROFINET

last modified:

6GK5004-2BD00-1AB2

Data sheet



SCALANCE XB004-2 unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100 Mbit/s twisted pair ports with RJ45 sockets; 2x 100 Mbit/s multimode glass fiber-optic cable port with SC socket; manual available as a download .

product type designation		
product brand name	SCALANCE	
product type designation	XB004-2	
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; RJ45	
number of 100 Mbit/s SC ports		
• for multimode	2	
transmission method / of the optical interface	100BaseFX	
interfaces / other		
number of electrical connections		
for power supply	1	
type of electrical connection		
for power supply	3-pole terminal block	
supply voltage, current consumption, power loss		
type of voltage / 1 / of the supply voltage	DC	
 supply voltage / 1 / rated value 	24 V	
power loss [W] / 1 / rated value	4 W	
supply voltage / 1 / rated value	19.2 28.8 V	
consumed current / 1 / maximum	0.165 A	
 type of electrical connection / 1 / for power supply 	3-pole terminal block	
 product component / 1 / fusing at power supply input 	Yes	
• fuse protection type / 1 / at input for supply voltage	0.5 A / 60 V	
ambient conditions		
ambient temperature		
during operation	-10 +60 °C	
 during storage 	-40 +80 °C	
during transport	-40 +80 °C	
relative humidity		
 at 25 °C / without condensation / during operation / maximum 	95 %	
protection class IP	IP20	
design, dimensions and weights		
design	Box	
width	45 mm	
height	100 mm	
depth	87 mm	
net weight	0.205 kg	

fastening method	
• 35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
S7-1500 rail mounting	No
product features, product functions, product components / gene	eral
number of automatically learnable MAC addresses	1024
product functions / management, configuration, engineering	
product function	
multiport mirroring	No
• CoS	Yes
switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
ULhazloc approval	Yes
 CCC / for hazardous zone according to GB standard 	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
RoHS conformity	Yes
standards, specifications, approvals / Environmental Product De	eclaration
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	141.3 kg
during manufacturing	15.99 kg
during operation	125.18 kg
after end of life	0.15 kg
product functions / general	200
MTBF	232 a
reference code	VE.
according to IEC 81346-2 according to IEC 94346-2:2040	KF
according to IEC 81346-2:2019 Wassent a paid.	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; according to IEC 61406-1:2022
further information / internet links internet link	
to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
to website: Selection guide for earlies and conflictors to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to web page, selection and The Selection Tool to website: Industrial communication	https://www.siemens.com/simatic-net
to web site: industrial communication to web page: SiePortal	https://sieportal.siemens.com/
to web page. Sier ortal to website: Image database	https://www.automation.siemens.com/bilddb
to website: Mage database to website: CAx-Download-Manager	https://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
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security information

Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

EMV



Declaration of Conformity







<u>KC</u>

For use in hazardous locations

Environment





<u>FM</u>

CCC-Ex

Confirmation



Industrial Communication

PROFINET

last modified:

6GK5005-0BA00-1AB2

Data sheet



SCALANCE XB005 unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 5x 10/100 Mbit/s twisted pair ports with RJ45 sockets; Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB005
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	5; RJ45
number of 100 Mbit/s SC ports	
• for multimode	0
interfaces / other	
number of electrical connections	
for power supply	1
type of electrical connection	
• for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
power loss [W] / 1 / rated value	1.68 W
supply voltage / 1 / rated value	19.2 28.8 V
consumed current / 1 / maximum	0.07 A
 type of electrical connection / 1 / for power supply 	3-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
type of voltage / 2 / of the supply voltage	AC
supply voltage / 2 / rated value	19.2 28.8 V
ambient conditions	
ambient temperature	
 during operation 	-10 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm
height	100 mm
depth	87 mm

	0.405 lon
	0.165 kg
fastening method	V
	Yes
3	Yes
1 11 1 3	No
product functions / management, configuration, engineering	
product function	
	No
	Yes
	No .
	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
	No
Access (RNA)	NO
standards, specifications, approvals	
certificate of suitability	
•	Yes
-	Yes
• •	Yes
standard	
	EN 61000-6-4 (Class A)
	EN 61000-6-2
·	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	02 00000 1, 00/1 022.2 1to. 00000 1
certificate of suitability	
•	Yes
	Yes
	Yes
	Yes
	Yes
C .	Yes
standards, specifications, approvals / other	165
certificate of suitability	Vac
,	Yes
standards, specifications, approvals / Environmental Product Decl	
	Yes
Global Warming Potential [CO2 eq]	v=v=v
	151.5 kg
	7.42 kg
	143.95 kg
	0.14 kg
product functions / general	
	241 a
reference code	
	KF
3	KFE
	5 a
	Yes; according to IEC 61406-1:2022
further information / internet links	
internet link	
•	https://support.industry.siemens.com/cs/ww/de/view/109766358
. 0	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
. •	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
	https://support.industry.siemens.com
to website: Industry Online Support	Intps://support.industry.siemens.com

Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

EMV



Declaration of Conformity







<u>KC</u>

For use in hazardous locations

Test Certificates









CCC-Ex

Special Test Certific-

Environment

Industrial Communication

Confirmation



PROFINET

last modified:



6GK5005-0GA10-1AB2

Data sheet



SCALANCE XB005G unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 5x 10/100/1000 Mbit/s RJ45 ports electrical; Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB005G
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	5; RJ45
number of 100 Mbit/s SC ports	
 for multimode 	0
interfaces / other	
number of electrical connections	
for power supply	1
type of electrical connection	
• for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	10.5 W
supply voltage / 1 / rated value	19.2 28.8 V
consumed current / 1 / maximum	0.44 A
 type of electrical connection / 1 / for power supply 	3-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 	-10 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm
height	100 mm
depth	87 mm
net weight	0.172 kg
fastening method	

- valid rounding ves - valid rounding - valid rou	25 years too hot DIN vail mounting	Ven
e-37-1500 at mounting product functions of management, configuration, employeding product functions - multiport mirroring - costs - co	35 mm top hat DIN rail mounting	Yes
product functions - nutlippic trimorting - CoSS - Yes - south-homoged - No - PRICIPATE conformity class - Product function - Parallel Redundancy Protocol (PRP)/spectration in the PRP-reductor - Reductor (PRP)/spectration - Reductor (PRP)/spectration - Parallel Redundancy Protocol (PRP)/spectration in the PRP-reductor - Reductor (PRP)/spectration - Parallel Redundancy Protocol (PRP)/	-	
product function * multiport mirroring * CoS * Yes * witch-managed * PROFINET conformity class * A * Product functions / redundancy product function * Parallel Redundancy / Protocol (PRP yoperation in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * PRP-retwork * Parallel Redundancy / Protocol (PRP yeeration in the * Yes * Cot Garden's specifications * Protocol (PRP yeeration in the * Yes * Regulatory Compliance Mark (RCM) * Yes * Regulatory Compliance		NO
multiport mirroring		
- COS - switch-managed - No - Switch-managed - No - ROPORNET conformity ideas - A - Switch-managed - PROPINET conformity ideas - Practice function - Paraliel Redundancy Protocol (PRP)operation in the - PRP, include - Prazilel Redundancy Protocol (PRP)/Redundant Network - Paraliel Redundancy Protocol (PRP)/Redundant Network - Access (RNA) - Sandards, specifications, approvals - Certificate of studbility - CE marking - Yes - Regulatory Compliance Mark (RCM) - Yes - Regulatory Compliance Mark (RCM) - Regulatory Compliance Mark (RCM) - Pes - Regulatory Compliance Mark (RCM) - For EMC Interference emission - For EMC Interference - For EMC Interfere	·	
e watch-managed No PROFINET conformity clases A PROFINET conformity colored in the PROFINET colored in the PROFINET conformity colored in the PROFINET co		
PROCINET conformity class Product functions / redundancy Product functions / redundancy Product functions Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Protocol (PRP) Redundant Network Parallel Redundancy Parallel		
product function **Parallet Returdancy Protocol (PRP) operation in the **Parallet Returdancy Protocol (PRP) Redundant Network **Access (RNA) **Senderds specifications, approvals certificate of suitability **C Emarking **C Regulatory Compliance Mark (RCM) **Senderds specifications approvals **In Emarking **To EMC (Inferience emission **For immunity to EMC **In 61000-62 (Class B) **En 61000-62 (Class B) **		
product function Parallel Redundancy Protocol (PRP) operation in the Parallel Redundancy Protocol (PRP) operation in the Parallel Redundancy Protocol (PRP) operation in the Parallel Redundancy Protocol (PRP) operations in the Parallel Redundance Protocol (PRP) operations in the Parallel Redundan		A
Parallel Redundancy Protocol (PRP) operation in the PRP-network Parallel Redundancy Protocol (PRP) Redundant Network Access (RNA) standards specifications, approvals certificate of suitability		
PRIPA Edutomacy Protocol (PRP)/Redundant Network Access (RNA) standards, specifications, approvals certificate of suitability • CE marking • Ko approval • Regulatory Compliance Mark (RCM) • Regulatory Compliance Mark (RCM) • For EMC interference emission • For immunity to EMC • For safety / from CSA and UL • Standards, specifications, approvals / hezardous environments certificate of suitability • ATEX • LIKEX • LICEX • CCC / for hazardous zone according to GB standard • For Minguistation • Regulatory compliance with a suitability • ATEX • LICEX • CCC / for hazardous zone according to GB standard • Refl registration • Refl registration • Refl registration • Refl sconfications, approvals / Environmental Product Declaration Environmental Product Declaration Environmental Product Declaration • In the suitability • Refl sconfications, approvals / Environmental Product Declaration Environmental Product Declaration • In the suitability • Refl sconfications, approvals / Environmental Product Declaration Environmental Product Declaration • In the suitability • Refl sconfications in supported in the suitability • Refl sconfications in supported in the suitability of t	·	
Access (RNA) tentandards, specifications, approvals certificate of suitability • CE marking • Ke approval • Regulatory Compliance Mark (RCM) • For EMC interference emission • for EMC interference emission • for immunity to EMC • for safety from CSA and U. tentandards, specifications, approvals / hazardous environments certificate of suitability • ATEX • UKEX • CCC / for hazardous zone according to GB standard • FM regulatation • F	PRP-network	Yes
certificate of suitability CE marking CE	Access (RNA)	No
CE marking K c approval R egulatory Compliance Mark (RCM) Yes standard For EMC Interference emission For immunity to EMC For safety / from CSA and UL For safety / from CSA and UL UL 69950-1, CSA C22.2 No. 60950-1 Standards, specifications, approvals / hazardous environments certificate of suitability ATEX Yes UKEX For Safety / from CSA and UL Ves For Safety / from CSA and UL Ves Ves UL 60950-1, CSA C22.2 No. 60950-1 Standards, specifications, approvals / hazardous environments certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and UL Ves Standards, specifications, approvals / other certificate of suitability For Safety / from CSA and CSA	standards, specifications, approvals	
* KC approval * Regulatory Compilance Mark (RCM) * Standard * for EMC interference emission * for immunity to EMC * for safety / from GSA and U. * Standards, specifications, approvals / hazardous environments certificate of suitability * ATEX * UKEX * Ves * UKEX * Ves * UKEX * Ves * CCC / for hazardous zone according to GB standard * Yes * FM registration * FM registration * Sendications, approvals / other certificate of suitability * ROHS conformity * Standards, specifications, approvals / other certificate of suitability * ROHS conformity * ROHS conformity * ROHS conformity * Total * Specifications, approvals / Environmental Product Declaration * Environmental Product Declaration * Potential (CO2 ed) * total * during manufacturing * 7.42 kg * during manufacturing * during operation * after end of life * O.14 kg * product functions / general * MTBF * 139 a * reference code * according to IEC 81346-2 * bit web page: selection audic for cables and connectors * to website: Industry Online Support * to website: Industrial communication * to website: Industry Online Support * thits://www.atemens.com/is/ww/de/view/109766358 * https://www.atemens.com/is/ww/de/view/109766358 * https://www.atemens.com/is/ww/de/view/109766358 * https://www.atemens.com/is/ww/de/view/109766358 * https://www.atemens.com/is/ww/de/view/109766358 * https://www.atemens.com/is/ww/de/view/109766358 * https://www.atemens.com/is/ww/de/view/ingrasass * to website: Industry Online Support * thits://www.atemens.com/is/ww/de/view/ingrasass * to oversite: Industry On	certificate of suitability	
* Regulatory Compliance Mark (RCM) standard * for EMC interference emission * for EMC interference emission * for EMC interference emission * for safety from CSA and UL standards, specifications, approvals / hazardous environments certificate of suitability * ATEX * UKEX * UKEX * UKEX * LECEX * LEX *	CE marking	Yes
standard • for EMC interference emission • for fimmunity to EMC • for safety / from CSA and UL standards, specifications, approvals / hazardous environments certificate of suitability • ATEX • UKEX • IECEC • CCC / for hazardous zone according to GB standard • FM registration • CMC / for hazardous zone according to GB standard • FM registrations, approvals / other certificate of suitability • RoMS Conformity • Italiand I Standards, specifications, approvals / environmental Product Declaration Environmental Product Declaration Environmental Product Declaration Environmental Product Declaration Fiving manufacturing • Aux Roman Conformity • Italiand I Standards • Italiand I St	KC approval	Yes
For EMC Interference emission for immunity to EMC for immunity to EMC for shadly / from CSA and UL standards, specifications, approvals / hazardous environments certificate of autability * ATEX * UKEX * Ves * UKEX * UKEX * EECE * Yes * CCC / for hazardous zone according to GB standard * EM registration * EM registration * EM registrations, approvals / other certificate of suitability * RoHS conformity * RoHS conformity * RoHS conformity * Tes * SoHS conformity * Tes * Global Warming Potential (CO2 eq) * total * during manufacturing * Ate yas * during operation * after end of life product functions / general MTBF reference code * according to IEC 81346-2 * according to IEC 81346-2 (2019) * KFE Warnarty period Warnarty period product function / is supported / identification link * Yes; according to IEC 81346-2 (2019) * Warnarty period * Low website: Selection guide for cables and connectors * to web page: Selection aid TIA Selection Tool * to web page: Selection guide for cables and connectors * to web page: Selection aid TIA Selection Tool * to website: Industrial communication * to website: Industrial communication * to website: Industrial communication * to website: CAX-Download-Manager * to website: Industrial communication * to website: Industrial communication * to website: Industrial communication * to website: Industrial communication stant support the secure operation of plants, systems, machines and networks, linearly other * Security information * Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks against cyber * Industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks and and cybers * Industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks and selection of pl	Regulatory Compliance Mark (RCM)	Yes
For simply to EMC	standard	
• for safety / from CSA and UL standards, specifications, approvals / hazardous environments certificate of suitability • ATEX • UKEX • CCC / for hazardous zone according to GB standard • FM registration • FM registration • RoHS conformity • Yes standards, specifications, approvals / other certificate of suitability • RoHS conformity • RoHS conformity • Yes standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Fiving manufacturing • total • during manufacturing • after end of life • outling operation • after end of life • outling operation • after end of life • outling operation • after end of life • according to IEC 81346-2 • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industrial comm	 for EMC interference emission 	EN 61000-6-4 (Class B)
certificate of suitability ATEX LIKEX Ves LIKEX Ves CCC / for hazardous zone according to GB standard Ves CCC / for hazardous zone according to GB standard Ves Standards, specifications, approvals / toher Certificate of suitability RoHS conformity Pes Standards, specifications, approvals / tenvironmental Product Declaration Environmental Product Declaration Environmental Product Declaration Environmental Product Declaration Ves Global Warming Potential [CO2 eq] Iotal	 for immunity to EMC 	EN 61000-6-2
certificate of suitability • ATEX • UKEX • UKEX • IECEX • CCC / for hazardous zone according to GB standard • EM registration • Mregistration standards, specifications, approvals / other certificate of suitability • ROHS conformity • ROHS conformity • ROHS conformity • ROHS conformity • Ves standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Environmental Product Declaration Five Global Warming Potential (CO2 eq] • total • during manufacturing • 42 kg • during operation • after end of life • 0.14 kg product functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 Warmany period product function / is supported / identification link further information / informet links internet link • to website: Selection guide for cables and connectors • to web page: Selection and TIA Selection Tool thiss://www.silemens.com//simplaticuel • to website: Industrial communication • to website: Industrial communi	 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
ATEX OUREX OUREX Yes CCC / for hazardous zone according to GB standard Yes FM registration FM registration Yes certificate of suitability ROHS conformity *ROHS conformity *ROHS conformity *Tyes standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Yes Global Warming Potential [CO2 eq] *total *Uning manufacturing *Aux & g *during operation *Aux & g *during operation *after end of life *O.14 kg *Treference code *according to IEC 81346-2 *according to IEC 81346-2 *according to IEC 81346-2 *according to IEC 81346-2:2019 Warranty period product function / is supported / identification link *Internet link *Intern	standards, specifications, approvals / hazardous environments	
UKEX IECEX Yes CCC / for hazardous zone according to GB standard Yes EM registration Standards, specifications, approvals / other certificate of suitability RoBds conformity Yes Standards, specifications, approvals / Environmental Product Declaration Yes Global Warming Potential [CO2 eq] total total total total during manufacturing 43.95 kg during operation after end of life 0.14 kg Product functions / general MTBF 139 a reference code according to IEC 81346-2 KFE according to IEC 81346-2:2019 KFE Warranty period product function / is supported / identification link Turther Information / Internet links internet link to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication thttps://www.siemens.com/simatic-net thttps	certificate of suitability	
IECEX CCC / for hazardous zone according to GB standard FM registration FM registration Standards, specifications, approvals / other Certificate of suitability RoHS conformity Yes Standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Yes Global Warming Potential [CO2 eq] total during manufacturing 7.42 kg during operation 43.95 kg during operation 413.95 kg reference code according to IEC 81346-2 freference code according to IEC 81346-12022 further information / internet tinks internet link to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool tips://www.siemens.com/tss/www/de/view/109766358 tips://www.siemens.com/simatic.net https://www.siemens.com/simatic.net https://www.siemens.com/simatic.net https://www.siemens.com/cax to website: Industry Online Support by website: Industry Online Support security Information Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks, lorder to protect plan	• ATEX	Yes
CCC / for hazardous zone according to GB standard FM registration FM registration ROHS conformity ROHS co	• UKEX	Yes
• FM registration Yes standards, specifications, approvals / other certificate of suitability • RoHS conformity Yes standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Environmental Product Declaration Fortion Product Declaration Fortion Product Declaration Fortion Product Declaration Yes Global Warming Potential (CO2 eq) • total • during manufacturing • during operation • after end of life • during operation • after end of life • during operation • after end of life • during operation • according to IEC 81346-2 **EFE Warranty period • according to IEC 81346-2:2019 Warranty period • for according to IEC 81346-2:2019 Warranty period • for according to IEC 81346-2:2019 Warranty period • for the information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support https://www.siemens.com/cax • to website: Industry Online Support Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks, lorder to protect	• IECEx	Yes
certificate of suitability ROHS conformity Yes standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Yes Global Warming Potential [CO2 eq] • total • during manufacturing • during operation • after end of life Droduct functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2 For end of life Warranty period product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link • to web page: selection guide for cables and connectors • to web page: selection guide for cables and connectors • to web page: selection and TIA Selection Tool • to website: Industrial communication • to website: CAx-Download-Manager • to website: CAx-Download-Manager • to website: Industry Online Support • to website: Industry Online Support Security Information Siemens provides products and solutions with industrial cybersecurity functions that support lines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, systems, machines and networks, in order to protect plants, sys	 CCC / for hazardous zone according to GB standard 	Yes
certificate of suitability • RoHS conformity standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Solobal Warming Potential [CO2 eq] • total • total • during manufacturing • during operation • after end of life product functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 Warranty period product function / is supported / identification link Ves; according to IEC 61406-1:2022 Further information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Inage database • to website: Industry Online Support https://swww.siemens.com/simatic.net https://swww.siemens.com/pliddb https://swww.siemens.com/pliddb https://swww.siemens.com/pliddb https://swww.siemens.com/pliddb https://swww.siemens.com/cax https://swww.sie	FM registration	Yes
RoHS conformity **standards, specifications, approvals / Environmental Product Declaration** Environmental Product Declaration Yes Global Warming Potential [CO2 eq] **total 151.5 kg **during manufacturing 7.42 kg **during operation 143.95 kg **AFE** **MTBF** **according to IEC 81346-2 KF **Warranty period IEC 81346-2:2019 KFE **Warranty period 5 a **product function / is supported / identification link Yes; according to IEC 61406-1:2022 **further information / internet links** internet link **to website: Selection guide for cables and connectors 1thos://www.siemens.com/cs/ww/del/view/109766358 https://www.siemens.com//simatic-net 1thus://www.siemens.com//simatic-net 1thus://sieportal.siemens.com/ **to website: Industrial communication 1thus://sieportal.siemens.com/ **to website: Industrial communication 1thus://sieportal.siemens.com/ **to website: Industrial communication 1thus://sieportal.siemens.com/ **to website: Industry Online Support 1thus://sieportal.siemens.com/ **to website: Industry Online Support 1thus://sieportal.siemens.com/oliddb 1thus://swww.siemens.com/oliddb 1thus://siemens.com/oliddb 1thus://siemens.com/oliddb 1t	standards, specifications, approvals / other	
RoHS conformity **standards, specifications, approvals / Environmental Product Declaration** Environmental Product Declaration Yes Global Warming Potential [CO2 eq] **total 151.5 kg **during manufacturing 7.42 kg **during operation 143.95 kg **AFE** **MTBF** **according to IEC 81346-2 KF **Warranty period IEC 81346-2:2019 KFE **Warranty period 5 a **product function / is supported / identification link Yes; according to IEC 61406-1:2022 **further information / internet links** internet link **to website: Selection guide for cables and connectors 1thos://www.siemens.com/cs/ww/del/view/109766358 https://www.siemens.com//simatic-net 1thus://www.siemens.com//simatic-net 1thus://sieportal.siemens.com/ **to website: Industrial communication 1thus://sieportal.siemens.com/ **to website: Industrial communication 1thus://sieportal.siemens.com/ **to website: Industrial communication 1thus://sieportal.siemens.com/ **to website: Industry Online Support 1thus://sieportal.siemens.com/ **to website: Industry Online Support 1thus://sieportal.siemens.com/oliddb 1thus://swww.siemens.com/oliddb 1thus://siemens.com/oliddb 1thus://siemens.com/oliddb 1t	certificate of suitability	
Environmental Product Declaration Global Warming Potential [CO2 eq] • total • during manufacturing • during operation • after end of life product functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2 Warranty period product function / is supported / identification link Product function / is supported / identification link * to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industrial communication • to website: Inage database • to website: Inage database • to website: Industry Online Support **Security information** Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks.	RoHS conformity	Yes
Global Warming Potential [CO2 eq] • total • during manufacturing • during operation • after end of life product functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 Warranty period product function / is supported / identification link Warranty period product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industrial communication • to website: Image database • to website: May of the selection support • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support **Security information Siernens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, anchines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks.	standards, specifications, approvals / Environmental Product De	eclaration
Global Warming Potential [CO2 eq] • total • during manufacturing • during operation • after end of life product functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 Warranty period product function / is supported / identification link Warranty period product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industrial communication • to website: Image database • to website: May of the selection support • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support **Security information Siernens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, anchines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks.	Environmental Product Declaration	Yes
• total • during manufacturing • during operation • after end of life • according to lEC 81346-2 • according to lEC 81346-2 • according to lEC 81346-2 • according to lEC 81346-2:2019 KFE Warranty period product function / is supported / identification link Yes; according to lEC 61406-1:2022 further information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: Selection aid TIA Selection Tool • to website: Industrial communication • to website: Image database • to website: Industry Online Support **Internet** **Intern	Global Warming Potential [CO2 eq]	
 during manufacturing during operation atter end of life 0.14 kg Product functions / general MTBF 139 a reference code according to IEC 81346-2 according to IEC 81346-2:2019 KFE Warranty period 5 a product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link to web site: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to web page: selection aid TIA Selection Tool to web page: SiePortal to web page: SiePortal thtps://www.siemens.com/simatic-net thtps://www.siemens.com/ https://www.siemens.com/ thtps://www.automation.siemens.com/ https://www.automation.siemens.com/ thtps://www.automation.siemens.com/ https://www.siemens.com/cax to website: Industry Online Support https://support.industry.siemens.com security information Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. In order to protect plants, systems, machines and networks. 		151.5 kg
• during operation • after end of life • after end of life • after end of life • after end of life product functions / general MTBF 139 a reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 Warranty period 5 a product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: Image database • to website: Image database • to website: Industry Online Support • to website: Industry Online Support • to website: Industry Online Support • Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks.	during manufacturing	-
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reference code according to IEC 81346-2 according to IEC 81346-2:2019 Warranty period product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to web page: SiePortal to website: Image database to website: Industry Online Support to website: Industry Online Support https://www.siemens.com/simatic-net https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://www.siemens.com/cax https://www.siemens.com/cax https://www.siemens.com/cax https://www.siemens.com/cax https://www.siemens.com/cax https://support.industry.siemens.com/ security information Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber		139 a
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product function / is supported / identification link Yes; according to IEC 61406-1:2022 further information / internet links internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support **https://swww.siemens.com/simatic-net* https://swww.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com/simatic-net https://swww.automation.siemens.com/bilddb Security information Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber	<u> </u>	
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security information Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber	· ·	https://www.siemens.com/cax
security information Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber		https://support.industry.siemens.com
that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber	security information	
	security information	that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber

state-of-the-art industrial cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval



Declaration of Conformity









EMV

For use in hazardous locations

Environment

<u>KC</u>



IECEx



<u>FM</u>

CCC-Ex



Industrial Communication

PROFINET

last modified:

6GK5008-0BA10-1AB2

Data sheet



SCALANCE XB008 Unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 8x 10/100 Mbit/s twisted pair ports with RJ45 sockets; Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB008
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8; RJ45
number of 100 Mbit/s SC ports	
• for multimode	0
interfaces / other	
number of electrical connections	
for power supply	1
type of electrical connection	
for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
power loss [W] / 1 / rated value	2.88 W
 supply voltage / 1 / rated value 	19.2 28.8 V
consumed current / 1 / maximum	0.12 A
 type of electrical connection / 1 / for power supply 	3-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
type of voltage / 2 / of the supply voltage	AC
supply voltage / 2 / rated value	19.2 28.8 V
ambient conditions	
ambient temperature	
during operation	-10 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm
height	100 mm
depth	87 mm

net weight	0.18 kg
fastening method	
 35 mm top hat DIN rail mounting 	Yes
wall mounting	Yes
S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
 multiport mirroring 	No
• CoS	Yes
switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
KC approval	Yes
 Regulatory Compliance Mark (RCM) 	Yes
standard	
 for EMC interference emission 	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
ULhazloc approval	Yes
CCC / for hazardous zone according to GB standard	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
RoHS conformity	Yes
standards, specifications, approvals / Environmental Product Do	eclaration
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	151.5 kg
during manufacturing	7.42 kg
during manufacturing during operation	143.95 kg
after end of life	0.14 kg
product functions / general	
MTBF	214 a
reference code	2.1.0
• according to IEC 81346-2	KF
 according to IEC 81346-2: according to IEC 81346-2:2019 	KFE
Warranty period	5 a
product function / is supported / identification link	
further information / internet links	Yes; according to IEC 61406-1:2022
internet link • to website: Selection guide for cables and connectors	https://gupport.industry.gigmans.gom/gg/ww/dg/vigy/400766259
to website: Selection guide for cables and connectors to web page; selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/de/view/109766358
to web page: selection aid TIA Selection Tool to website: Industrial communication	https://www.siemens.com/tstcloud
to website: Industrial communication to web pages Signardal	https://www.siemens.com/simatic-net
to web page: SiePortal to web page: detabage	https://sieportal.siemens.com/
to website: Image database	https://www.automation.siemens.com/bilddb
to website: CAx-Download-Manager	https://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
security information	

Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval



Declaration of Conformity









EMV

For use in hazardous locations

Environment

<u>KC</u>



IECEX



<u>FM</u>

CCC-Ex



Industrial Communication

PROFINET

last modified:



6GK5008-0GA10-1AB2

Data sheet



SCALANCE XB008G unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 8x 10/100/1000 Mbit/s RJ45 ports electrical Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB008G
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8; RJ45
number of 100 Mbit/s SC ports	
• for multimode	0
interfaces / other	
number of electrical connections	
for power supply	1
type of electrical connection	
for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
power loss [W] / 1 / rated value	12.5 W
 supply voltage / 1 / rated value 	19.2 28.8 V
 consumed current / 1 / maximum 	0.52 A
 type of electrical connection / 1 / for power supply 	3-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 	-10 +60 °C
 during storage 	-40 +80 °C
during transport	-40 +80 °C
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm
height	100 mm
depth	87 mm
net weight	0.188 kg
fastening method	

25 years too het DIN reil requesting	Ven
35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
multiport mirroring	No
• CoS	Yes
• switch-managed	No .
PROFINET conformity class	A
product functions / redundancy	
product function	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
 for EMC interference emission 	EN 61000-6-4 (Class B)
• for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
 CCC / for hazardous zone according to GB standard 	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
 RoHS conformity 	Yes
standards, specifications, approvals / Environmental Product De	eclaration
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	151.5 kg
during manufacturing	7.42 kg
during operation	143.95 kg
after end of life	0.14 kg
product functions / general	
MTBF	112 a
reference code	
according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; according to IEC 61406-1:2022
further information / internet links	To the state of th
internet link	
to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
to website. Selection guide for cables and conflectors to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to web page: selection and TIA Selection Tool to website: Industrial communication	https://www.siemens.com/sicioud
to web page: SiePortal to website: Image detabase	https://sieportal.siemens.com/
to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://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 cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval



Declaration of Conformity









EMV

For use in hazardous locations

Environment

<u>KC</u>



IECEx



<u>FM</u>

CCC-Ex



Industrial Communication

PROFINET

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