

SCALANCE X106-1, Unmanaged IE switch, 6x 10/100 Mbit/s RJ45 ports, 1x 100 Mbit/s Multimode BFOC, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download



Product type designation	SCALANCE X106-1
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections <ul style="list-style-type: none">• for network components or terminal equipment	6; RJ45 with securing collar
Number of 100 Mbit/s ST(BFOC) ports <ul style="list-style-type: none">• for multimode	1
Number of 100 Mbit/s SC ports <ul style="list-style-type: none">• for multimode	0
Interfaces / others	
Number of electrical connections <ul style="list-style-type: none">• for signaling contact• for power supply• for redundant voltage supply	1 1 1
Type of electrical connection <ul style="list-style-type: none">• for signaling contact• for power supply	2-pole terminal block 4-pole terminal block

Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	18 V
• external / maximum	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.15 A
Power loss [W]	
• at DC / at 24 V	3.6 W
Permitted 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	IP30
Design, dimensions and weight	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail 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
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)

Yes

No

Standards, specifications, approvals

Standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4

EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X

UL 60950-1, CSA C22.2 No. 60950-1

UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T..

EN 61000-6-4 (Class A)

EN 61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability

- C-Tick
- KC approval

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

Yes

Yes

Standards, specifications, approvals / ship classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- DNV GL
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes

Yes

No

No

Yes

Yes

Yes

Yes

Yes

Standards, specifications, approvals / product conformity

MTBF

136.65 y

Accessories

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • 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	
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last modified: 08/25/2018