

Product-type designation	SCALANCE X106-1
	SCALANCE X106-1, UNMANAGED IE SWITCH, 6 X 10/100MBIT/S RJ45 PORTS, 1 X 100 MBIT/S MULTIMODE BFOC, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT VOLTAGE SUPPLY, WITH ELECTRONIC MANUALS ON CD
Transmission rate	
Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Interfaces	
Number of electrical/optical connections / for network components or terminal equipment / maximum	7
Number of electrical connections	
• for network components and terminal equipment	6
• for signaling contact	1
• for power supply	1
• for redundant power supply	1
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
Number of optical interfaces / for optical waveguide	
• at 100 Mbit/s	1
Design of optical interface / for optical waveguide	
• at 100 Mbit/s	BFOC sockets (multimode up to 5 km)
Connectable optical power relative to 1 mW	

• of the transmitter output	-19 ... -14 dB
• of the receiver input / maximum	-14 dB
Optical sensitivity relative to 1 mW / of the receiver input / minimum	-32 dB
Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 5 km
Signal-Inputs/outputs	
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of / supply voltage	DC
Supply voltage / external	24 V
• minimum	18 V
• maximum	32 V
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	0,6 A / 60 V
Consumed current / maximum	0.15 A
Active power loss / at 24 V / for DC	3.6 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-10 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity	
• at 25 °C / without condensation / during operating / 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
Standards, specifications, approvals	
Standard	
• for EMC / from FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4

• for safety / of CSA and UL • for hazardous area / of CSA and UL • for emitted interference • for interference immunity	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 EN 61000-6-2, EN 61000-6-4
Verification of suitability • CE mark • C-Tick • KC approval	Yes Yes Yes
Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS)	Yes Yes Yes Yes Yes Yes Yes
Further Information / Internet Links	
Internet-Link • to website: Industry Mall • to website: Industrial communication • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support	http://www.siemens.com/industrial-controls/mall http://www.siemens.com/simatic-net http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax http://support.automation.siemens.com
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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 newsletter. For more information, visit http://support.automation.siemens.com. Version 3.4 – 14.11.2013- Siemens AG, I IA L CG, Nuremberg
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