

-- spare part -- SCALANCE X116, unmanaged IE switch, 16x 10/100 Mbps RJ45 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	X116
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	16; RJ45 with securing collar
number of 100 Mbit/s SC ports	
• for multimode	0
interfaces / other	
number of electrical connections	
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
<b>type of voltage / 1 / of the supply voltage</b>	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	4.4 W
• supply voltage / 1 / rated value	18 ... 32 V
• consumed current / 1 / maximum	0.3 A
• type of electrical connection / 1 / for power supply	4-pole terminal block
• product component / 1 / fusing at power supply input	No
ambient conditions	
ambient temperature	
• during operation	-20 ... +70 °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 weights	
design	compact
width	120 mm
height	125 mm
depth	124 mm
net weight	1.1 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No

product functions / management, configuration, engineering		
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		
certificate of suitability		
• CE marking	Yes	
• KC approval	Yes	
standard		
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1	
standards, specifications, approvals / marine classification		
Marine classification association		
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	
• French marine classification society (BV)	Yes	
• Det Norske Veritas (DNV)	Yes	
• Lloyds Register of Shipping (LRS)	Yes	
• Nippon Kaiji Kyokai (NK)	Yes	
• Polski Rejestr Statkow (PRS)	Yes	
• Royal Institution of Naval Architects (RINA)	Yes	
product functions / general		
MTBF	61.3 a	
reference code		
• according to IEC 81346-2	KF	
• according to IEC 81346-2:2019	KFE	
further information / internet links		
internet link		
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>	
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>	
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>	
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>	
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>	
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 <a href="https://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)	
Approvals / Certificates		
General Product Approval		EMV



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