


product type designation



SFP993-1LD

SCALANCE X accessory; Plug-in transceiver SFP993-1LD; 1x 10000 Mbit/s LC port, optical; single-mode optical up to max. 10 km.

interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	1
number of optical interfaces / for network components or terminal equipment / maximum	1
number of 10 Gbit/s LC ports (LX)	1
design of the optical interface / for network components or terminal equipment	LC
wavelength / of the optical interface	1310 nm; Single-mode
connectable optical power relative to 1 mW	
• of the transmitter output / minimum	-8.2 dB
• of the transmitter output / maximum	0.5 dB
• of the receiver input / maximum	0.5 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-12.6 dB
attenuation factor / of the FOC transmission link / minimum necessary	0 dB
range / at the optical interface / depending on the optical fiber used	0 ... 10 km
ambient conditions	
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	SFP Module
width	14 mm
height	9 mm
depth	57 mm
net weight	0.01 kg
fastening method	latched
standards, specifications, approvals	
standard	
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-9
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• CE marking	Yes

<ul style="list-style-type: none"> • C-Tick • KC approval • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • E1 approval 	Yes No Yes Ex nA IIC T4 Gc No
Marine classification association	
<ul style="list-style-type: none"> • French marine classification society (BV) 	Yes
MTBF	850 a
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA 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/tia-selection-tool 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
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