


product type designation

SFP993-1LH

SCALANCE X accessory; Plug-in transceiver SFP993-1LH; 1x 10000 Mbit/s LC port, optical; single-mode optical up to max. 40 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	1550 nm; Single-mode
connectable optical power relative to 1 mW	
<ul style="list-style-type: none"> of the transmitter output / minimum of the transmitter output / maximum of the receiver input / maximum 	-4.7 dB 4 dB 0.5 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-14.1 dB
attenuation factor / of the FOC transmission link / minimum necessary	4.5 dB
range / at the optical interface / depending on the optical fiber used	0 ... 40 km
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +85 °C -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	
<ul style="list-style-type: none"> for safety / from CSA and UL for emitted interference for interference immunity 	UL 60950-1, CSA C22.2 No. 60950-10 EN 61000-6-4 (Class A) EN 61000-6-2
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
<ul style="list-style-type: none"> 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 	<p>Yes</p> <p>No</p> <p>Yes</p> <p>Ex nA IIC T4 Gc</p> <p>No</p>
<p>Marine classification association</p> <ul style="list-style-type: none"> • French marine classification society (BV) 	<p>Yes</p>
<p>MTBF</p>	<p>300 a</p>
<p>further information / internet links</p>	
<p>internet link</p> <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 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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