

product type designation



SFP992-1LH+

SCALANCE X accessory, Plug-in transceiver SFP992-1LH+ 1x 1000 Mbit/s LC port, optical; single-mode optical up to max. 70 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 1000 Mbit/s LC ports / for single mode (LD) / integrated	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 	0 dB 5 dB -3 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-22 dB
attenuation factor / of the FOC transmission link / minimum necessary	8 dB
range / at the optical interface / depending on the optical fiber used	30 ... 70 km

ambient conditions

ambient temperature <ul style="list-style-type: none"> during operation during storage during transport note 	-40 ... +85 °C -40 ... +85 °C -40 ... +85 °C A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
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 FM for hazardous zone 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX
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<ul style="list-style-type: none"> • for safety / from CSA and UL • for emitted interference • for interference immunity 	0145 X UL 60950-1, CSA C22.2 No. 60950-1-03 EN 61000-6-4:2007 (Class A) EN 61000-6-2:2005
certificate of suitability <ul style="list-style-type: none"> • CE marking • C-Tick • KC approval • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking 	EN 61000-6-2:2005, EN 61000-6-4:2007 Yes Yes No Yes Ex nA IIC T4 Gc
Marine classification association <ul style="list-style-type: none"> • French marine classification society (BV) 	Yes
MTBF	490 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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