

product type designation

SFP991-1A

SCALANCE X accessory; Active plug-in transceiver SFP991-1A; 1x 100 Mbit/s LC port, optical; multimode optical up to max. 5 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 100 Mbit/s LC ports	1
design of the optical interface / for network components or terminal equipment	LC
wavelength / of the optical interface	1310 nm; Multi-mode
connectable optical power relative to 1 mW - of the transmitter output / minimum - of the transmitter output / maximum - of the receiver input / maximum	-23.5 dB -14 dB -8 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-31 dB
attenuation factor / of the FOC transmission link / minimum necessary	0 dB
range / at the optical interface / depending on the optical fiber used	0 ... 5 km
transmission method / for connection type 1	100BASE-FX

ambient conditions

ambient temperature - during operation - during storage - during transport - note	-40 ... +95 °C -40 ... +95 °C -40 ... +95 °C A maximum operating temperature of +95 °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 for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
---	---

• for safety / from CSA and UL • for emitted interference • for interference immunity	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 • CE marking • C-Tick • KC approval	EN 61000-6-2:2005, EN 61000-6-4:2007 Yes Yes No
MTBF	345 a

further information / internet links

internet link	
• 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

Approvals / Certificates

General Product Approval	For use in hazardous locations
--------------------------	--------------------------------



[Manufacturer Declaration](#)



[FM](#)

For use in hazardous locations

[CCC-Ex](#)

last modified: 11/9/2023