

SCALANCE X accessory; Active plug-in transceiver SFP991-1LD A;
1x 100 Mbit/s LC port, optical; single-mode glass up to max. 26 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; Single-mode
Connectable optical power relative to 1 mW	
• of the transmitter output / minimum	-15 dB
• of the transmitter output / maximum	-8 dB
• of the receiver input / maximum	-8 dB
Optical sensitivity relating to 1 mW / of the receiver input / minimum	-31 dB
Damping ratio / of the FOC transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 26 km

Ambient conditions	
Ambient temperature	
• during operation	-40 ... +95 °C
• during storage	-40 ... +95 °C
• during transport	-40 ... +95 °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
Mounting type	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	UL 60950-1, CSA C22.2 No. 60950-1-03
• for emitted interference	EN 61000-6-4:2007 (Class A)
• for interference immunity	EN 61000-6-2:2005
Certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• CE marking	Yes
• C-Tick	Yes
• KC approval	No
MTBF	370 y

Further information / Internet-Links

Internet-Link

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|---|---|
| <ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| <ul style="list-style-type: none"> • to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> • to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> • to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> • to website: CAX Download Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> • to website: Industry Online Support | https://support.industry.siemens.com |

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