

### Product type designation

### SFP992-1LD

SCALANCE X accessories; plug-in TRANSCEIVER SFP992-1LD; 1X 1000 MBIT/S LC-PORT; with CONFORM COATING; OPTIcal; SINGLE-MODE glass up to 10 KM MAX.



### 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	1310 nm; Single-mode
Connectable optical power relative to 1 mW	
<ul style="list-style-type: none"> <li>• of the transmitter output / minimum</li> <li>• of the transmitter output / maximum</li> <li>• of the receiver input / maximum</li> </ul>	<p>-9.5 dB</p> <p>-3 dB</p> <p>-3 dB</p>
Optical sensitivity relating to 1 mW / of the receiver input / minimum	-21 dB
Damping ratio / of the FOC transmission link / minimum necessary	0 dB

Range / at the optical interface / depending on the optical fiber used	0 ... 10 km
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### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>Note</li> </ul>	<p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>A maximum ambient operating temperature of +85 °C is permissible for a duration of 16 hours</p>
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

### Design, dimensions and weight

Design	SFP Module
Width	14 mm
Height	9 mm
Depth	57 mm
Net weight	0.01 kg
Mounting type	latched

### Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> <li>for FM</li> <li>for hazardous zone</li> <li>for safety / from CSA and UL</li> <li>for emitted interference</li> <li>for interference immunity</li> </ul>	<p>FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4</p> <p>EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X</p> <p>UL 60950-1, CSA C22.2 No. 60950-1-03</p> <p>EN 61000-6-4:2007 (Class A)</p> <p>EN 61000-6-2:2005</p>
Certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
<ul style="list-style-type: none"> <li>CE marking</li> <li>C-Tick</li> <li>KC approval</li> </ul>	<p>Yes</p> <p>Yes</p> <p>No</p>
MTBF / at 40 °C	120 y

### Accessories

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p>

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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