

### product type designation



### SFP991-1

SCALANCE X accessory; Plug-in transceiver SFP991-1; 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   | 1300 nm; Multi-mode   |
| connectable optical power relative to 1 mW  |   |
| • of the transmitter output / minimum   | -24 dB  |
| • of the transmitter output / maximum   | -14 dB  |
| • of the receiver input / maximum   | -12 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  |
| ambient conditions  |   |
| ambient temperature   |   |
| • during operation  | -40 ... +85 °C  |
| • during storage  | -40 ... +85 °C  |
| • during transport  | -40 ... +85 °C  |
| • note  | 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  |   |
| • for FM  | FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4  |
| • for hazardous zone  | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X         |

|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>  | UL 60950-1, CSA C22.2 No. 60950-1-03<br>EN 61000-6-4:2007 (Class A)<br>EN 61000-6-2:2005  |
| certificate of suitability <ul style="list-style-type: none"> <li>• CE marking</li> <li>• C-Tick</li> <li>• KC approval</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• CCC / for hazardous zone according to GB standard / as marking</li> </ul>  | EN 61000-6-2:2005, EN 61000-6-4:2007<br>Yes<br>Yes<br>No<br>Yes<br>Ex nA IIC T4 Gc  |
| Marine classification association <ul style="list-style-type: none"> <li>• French marine classification society (BV)</li> </ul>  | Yes   |
| MTBF   | 490 a   |
| <b>further information / internet links</b>  |   |
| internet link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

**last modified:**

8/11/2023 

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

[6GK59911AD008AA0](#)