

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 <ul style="list-style-type: none"> of the transmitter output / minimum of the transmitter output / maximum of the receiver input / maximum | -24 dB -14 dB -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 <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 | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |

| | |
|---|---|
| <ul style="list-style-type: none"> • 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"> • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1-03 |
| <ul style="list-style-type: none"> • for emitted interference | EN 61000-6-4:2007 (Class A) |
| <ul style="list-style-type: none"> • for interference immunity | EN 61000-6-2:2005 |
| certificate of suitability | EN 61000-6-2:2005, EN 61000-6-4:2007 |
| <ul style="list-style-type: none"> • CE marking | Yes |
| <ul style="list-style-type: none"> • C-Tick | Yes |
| <ul style="list-style-type: none"> • KC approval | No |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard | Yes |
| Marine classification association | |
| <ul style="list-style-type: none"> • French marine classification society (BV) | Yes |
| MTBF | 490 y |

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>

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