


product type designation



SFP993-1LD

SCALANCE X accessory; Plug-in transceiver SFP993-1LD; 1x 10000 Mbit/s LC port, optical; single-mode optical up to max. 10 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 10 Gbit/s LC ports (LX) | 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 | -8.2 dB |
| • of the transmitter output / maximum | 0.5 dB |
| • of the receiver input / maximum | 0.5 dB |
| optical sensitivity relating to 1 mW / of the receiver input / minimum | -12.6 dB |
| attenuation factor / of the FOC transmission link / minimum necessary | 0 dB |
| range / at the optical interface / depending on the optical fiber used | 0 ... 10 km |
| ambient conditions | |
| ambient temperature | |
| • during operation | 0 ... 60 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °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 |
| fastening method | latched |
| standards, specifications, approvals | |
| standard | |
| • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-9 |
| • for emitted interference | EN 61000-6-4 (Class A) |
| • for interference immunity | EN 61000-6-2 |
| certificate of suitability | EN 61000-6-2:2005, EN 61000-6-4:2007 |
| • CE marking | Yes |

| | |
|--|---|
| <ul style="list-style-type: none"> • C-Tick • KC approval • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • E1 approval | Yes No Yes Ex nA IIC T4 Gc No |
| Marine classification association | |
| <ul style="list-style-type: none"> • French marine classification society (BV) | Yes |
| MTBF | 850 a |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • 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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