

product type designation

SFP991-1LD A

SCALANCE X accessory; Active plug-in transceiver SFP991-1LD A; 1x 100 Mbit/s LC port, optical; single-mode optical up to max. 26 km.



interfaces

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|---|--|
| 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 | |
| <ul style="list-style-type: none"> of the transmitter output / minimum of the transmitter output / maximum of the receiver input / maximum | <ul style="list-style-type: none"> -15 dB -8 dB -8 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 ... 26 km |
| transmission method / for connection type 1 | 100BASE-LX |

ambient conditions

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| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage during transport note | <ul style="list-style-type: none"> -40 ... +95 °C -40 ... +95 °C -40 ... +95 °C A maximum operating temperature of +95 °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

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|------------------|------------|
| design | SFP Module |
| width | 14 mm |
| height | 9 mm |
| depth | 57 mm |
| net weight | 0.01 kg |
| fastening method | latched |

standards, specifications, approvals

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| standard | |
| <ul style="list-style-type: none"> for hazardous zone for safety / from CSA and UL | <ul style="list-style-type: none"> EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X UL 60950-1, CSA C22.2 No. 60950-1-03 |

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| <ul style="list-style-type: none"> • for emitted interference • for interference immunity | EN 61000-6-4:2007 (Class A) EN 61000-6-2:2005 |
| certificate of suitability <ul style="list-style-type: none"> • CE marking • C-Tick • KC approval | EN 61000-6-2:2005, EN 61000-6-4:2007 Yes Yes No |
| MTBF | 370 a |

further information / internet links

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| 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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