

**Product-type designation**

**SFP992-1LH**

SCALANCE X ACCESSORY,  
SFP992-1LH 1 X 1000MBIT/S LC-PORT,  
OPTICAL SINGLEMODE GLASS UP TO MAX. 40 KM



**Transmission rate**

Transfer rate / 1 1000 Mbit/s

**Interfaces**

Number of electrical/optical connections / for network components or terminal equipment / maximum 1

Number of optical interfaces / for optical waveguide

- at 1000 Mbit/s 1

Design of optical interface / for optical waveguide

- at 1000 Mbit/s LC port (singlemode up to 40 km)

Connectable optical power relative to 1 mW

- of the transmitter output -6 ... +0 dB
- of the receiver input / maximum -3 dB

Optical sensitivity relative to 1 mW / of the receiver input / minimum -23 dB

Attenuation / of fiber-optic cable transmission link / minimum necessary 3 dB

Range / at the optical interface / depending on the optical fiber used 8 ... 40 km

**Permitted ambient conditions**

Ambient temperature

- during operating -40 ... +85 °C
- during storage -40 ... +85 °C

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>during transport</li> </ul>                  | -40 ... +85 °C   |
| Relative humidity / at 25 °C / without condensation / during operating / maximum    | 95 %   |
| Protection class IP   | IP20   |
| <b>Design, dimensions and weight</b>  |  |
| Design  | SFP module   |
| Width   | 13.7 mm  |
| Height  | 11.9 mm  |
| Depth   | 56.5 mm  |
| Net weight  | 0.01 kg  |
| Type of mounting  |  |
| <ul style="list-style-type: none"> <li>Installation in media module slot</li> </ul> | No   |
| <b>Standards, specifications, approvals</b>   |  |
| Standard  |  |
| <ul style="list-style-type: none"> <li>for EMC / from FM</li> </ul>                 | FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |
| <ul style="list-style-type: none"> <li>for hazardous zone</li> </ul>                | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X        |
| <ul style="list-style-type: none"> <li>for safety / of CSA and UL</li> </ul>        | UL 60950-1, CSA C22.2 No. 60950-1-03   |
| <ul style="list-style-type: none"> <li>for emitted interference</li> </ul>          | EN 61000-6-4:2007 (Class A)  |
| <ul style="list-style-type: none"> <li>for interference immunity</li> </ul>         | EN 61000-6-2:2005  |
| Verification of suitability   | EN 61000-6-2:2005, EN 61000-6-4:2007   |
| <ul style="list-style-type: none"> <li>CE mark</li> </ul>                           | Yes  |
| <ul style="list-style-type: none"> <li>C-Tick</li> </ul>                            | Yes  |
| <ul style="list-style-type: none"> <li>KC approval</li> </ul>                       | No   |
| <b>letzte Änderung:</b>   | May 28, 2012   |