MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Amikon cover with selected official Siemens pages

SCALANCE NETWORK ACCESSORIES

## 6GK5992-1AN00-8AA0

OPTICAL TRANSCEIVER

OFFICIAL SOURCES

Siemens official product documentation. Selected pages retain their original content, color and aspect ratio.

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## Data sheet 6GK5992-1AN00-8AA0

**product type designation**

**SFP992-1LH**

SCALANCE X accessory, Plug-in transceiver SFP992-1LH 1x 1000 Mbit/s LC port, optical single-mode up to max. 40 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 1000 Mbit/s LC ports / for single mode (LD) / integrated | 1 |
| design of the optical interface / for network components or terminal equipment | LC |
| wavelength / of the optical interface | 1550 nm; Single-mode |
| connectable optical power relative to 1 mW | |
| ● of the transmitter output / minimum | -6 dB |
| ● of the transmitter output / maximum | 0 dB |
| ● of the receiver input / maximum | -3 dB |
| optical sensitivity relating to 1 mW / of the receiver input / minimum | -23 dB |
| attenuation factor / of the FOC transmission link / minimum necessary | 3 dB |
| range / at the optical interface / depending on the optical fiber used | 8 ... 40 km |
| transmission method / for connection type 1 | 1000BASE-EX |
| **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, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |


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|---|---|
| ● for hazardous zone | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X |
| ● for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1-03 |
| ● for emitted interference | EN 61000-6-4:2007 (Class A) |
| ● for interference immunity | EN 61000-6-2:2005 |
| certificate of suitability | EN 61000-6-2:2005, EN 61000-6-4:2007 |
| ● CE marking | Yes |
| ● C-Tick | Yes |
| ● KC approval | No |
| ● CCC / for hazardous zone according to GB standard | Yes; GB3836.1, GB3836.8 |
| ● CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| Marine classification association | |
| ● French marine classification society (BV) | Yes |
| MTBF | 490 a |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

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