SCALANCE SFP991-1

Product Data Sheet

6GK5991-1AD00-8FA0

Coated multimode optical transceiver

OPTICAL PORT	FIBER TYPE	NOMINAL WAVELENGTH	MAXIMUM OPTICAL SPAN
1 x LC, 100 Mbit/s	**Multimode**	**1300 nm**	**5 km, fiber-budget dependent**

Siemens 6GK5991-1AD00-8FA0 is the conformally coated SCALANCE SFP991-1 plug-in transceiver. One 100 Mbit/s LC optical port supports multimode fiber at a nominal wavelength of 1300 nm. The optical link extends up to five kilometers within the specified fiber budget.

01 TECHNICAL DATA

Optical port	1 x LC, 100 Mbit/s
Fiber type	Multimode
Nominal wavelength	1300 nm
Maximum optical span	5 km, fiber-budget dependent
Transmitter output range	-24 to -14 dBm
Maximum receiver input	-12 dBm
Receiver sensitivity	-31 dBm minimum
Required minimum link attenuation	0 dB
Protective coating	Conformal coating
Operating temperature envelope	-40 to +85 C; +85 C limited to 16 hours

Siemens 6GK5991-1AD00-8FA0 original product data, applicable source pages 1, 2.

02 ADDITIONAL PRODUCT DATA

Storage and transport	-40 to +85 C
Maximum relative humidity	95% at 25 C, non-condensing
Ingress rating	IP20
Retention method	Latched
FM location class	Class I Division 2 groups A-D, T4; applicable conditions

03 PRODUCT FUNCTION

Transmitter output lies between -24 and -14 dBm, with a receiver sensitivity of -31 dBm. The latched SFP module has an IP20 enclosure. Its operating envelope extends from -40 to +85 C, with operation at the maximum temperature limited to sixteen hours.

04 SYSTEM COMPATIBILITY

Calculate the optical budget from transmitter levels, receiver limits and actual link losses. The five-kilometer maximum does not replace that calculation.

05 REFERENCE

Siemens 6GK5991-1AD00-8FA0 original product data, applicable source pages 1, 2.

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