SIEMENS

Data sheet   **6GK5991-1AE30-8AA0**

product type designation	**SFP991-1ELH200**

SCALANCE X accessory, Plug-in transceiver SFP991-1ELH200 1x 100 Mbit/s LC port, optical; single-mode glass up to max. 200 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 100 Mbit/s LC ports	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	1 dB
● of the transmitter output / maximum	5 dB
● of the receiver input / maximum	-9 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-42 dB
attenuation factor / of the FOC transmission link / minimum necessary	14 dB
range / at the optical interface / depending on the optical fiber used	61 ... 200 km

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
● 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
MTBF	380 y

further information / internet-Links	
Internet-Link	
● 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

last modified:	12/15/2020 🔗