



HIRSCHMANN

A BELDEN BRAND

Product information SFP-GIG-BA LH/LC EEC

Industrial Ethernet: System Accessories: Transceiver: Gigabit Ethernet Bi-Directional SFP Transceiver: SFP-GIG-BA LH/LC EEC

<https://e-catalog.beldensolutions.com:443/link/57078-24455-24544-24535-65079-504621/en/conf/ui/istate>

Name	SFP-GIG-BA LH/LC EEC
	
	SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM longhaul, Type A, extended temperature range
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM longhaul, Type A, extended temperature range
Port type and quantity	1 x 1000 Mbit/s with LC connector
Type	SFP-GIG-BA LH/LC EEC
Order No.	942 209-001
Network size - length of cable	
Single mode fiber (LH) 9/125 µm (long haul transceiver)	19 - 80 km (Link Budget (TX: 1490 nm, RX: 1550) = 4-24 dB; A = 0.4 dB/km; D = 3.5 ps/(nm*km))
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input and output power, transceiver temperature
Ambient conditions	
Operating temperature	-40°C to +85°C
Relative humidity (non-condensing)	5% up to 95%
MTBF	262 years (Telcordia SR-332, Issue 2, 40°C)
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	EN60950, cUL 60950-1
Scope of delivery and accessories	
Scope of delivery	SFP module



HIRSCHMANN

A **BELDEN** BRAND

For more information please contact:

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: inet-sales@belden.com

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.