



Product information
M-SFP-LH/LC
934 042-001

Name		M-SFP-LH/LC
		
		SFP Fiberoptic Gigabit Ethernet Transceiver for: MICE media modules, MM4-4TX/SFP and MM4-2TX/SFP, OpenRail RS30-Switches, MACH 4000, SmartLION and GigaLION.
Delivery informations		
Availability	available	
Product description		
Description	SFP Fiberoptic Gigabit Ethernet Transceiver for: MICE media modules, MM4-4TX/SFP and MM4-2TX/SFP, OpenRail RS30-Switches, MACH 4000, SmartLION and GigaLION.	
Port type and quantity	1 x 1000BASE-LX with LC connector	
Type	M-SFP-LH/LC	
Order No.	943 042-001	
Network size - length of cable		
Single mode fiber (LH) 9/125 µm (long haul transceiver)	16 -80 km 6 - 22 dB link budget at 1550 nm A = 0.25 dB/km, 2 dB reserve, D = 19 ps/(nm x 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	0 °C to +60 °C	
Storage/transport temperature	-25 °C to +70 °C	
Relative humidity (non-condensing)	10% to 95%	
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), 1kV 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	cUL 60950-1	
Shipbuilding	Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA	

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



Scope of delivery and accessories

Scope of delivery	SFP module
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