

Media module - FL SFP SX - 2891754

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Gigabit SFP module for transmission up to 1 km with a wavelength of 850 nm.

Product Description

SFP module with a data transmission speed of 1000 Mbps, a wavelength of 850 nm, and a maximum transmission length of 1 km.

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 166782
GTIN	4046356166782
Weight per Piece (excluding packing)	27.600 g
Custom tariff number	85176200
Country of origin	Taiwan

Technical data

Dimensions

Width	13.7 mm
Height	8.95 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 75 °C (non-condensing)
Ambient temperature (storage/transport)	-40 °C ... 85 °C (non-condensing)
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

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Technical data

Interfaces

Interface 1	Ethernet FO
No. of ports	1 (LC multi-mode)
Connection method	LC
Transmission physics	multi-mode fiberglass
Transmission speed	1 Gbps
Transmission length	275 m (Fiberglass, 62.5/125 µm (OM1))
	550 m (Fiberglass, 50/125 µm (OM2))
	1000 m (Fiberglass, 50/125 µm (OM3))
	1000 m (Fiberglass, 50/125 µm (OM4))
Wavelength	850 nm
Signal LEDs	depending on the Factoryline device
Transmit capacity, minimum	-9 dBm
Transmit capacity, maximum	-4 dBm
Minimum receiver sensitivity	-17 dBm
Maximum receiver sensitivity	-3 dBm

Function

Basic functions	SFP module as FO port
Status and diagnostic indicators	via a Factoryline device

Supply voltage

Supply voltage	3.3 V (via Factoryline switch)
Max. current consumption	240 mA
Current consumption	240 mA

General

Mounting type	Insert in SFP slot
Type AX	Factoryline devices with SFP slot
Net weight	28.7 g
Housing material	Metal

Standards and Regulations

Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Connection in acc. with standard	CUL
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

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Classifications

eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	27250501
eCl@ss 5.1	27250501
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106
eCl@ss 8.0	27149249
eCl@ss 9.0	19179290

ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC002609
ETIM 6.0	EC002609

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	26121650

Approvals

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UL Recognized / cUL Recognized / DNV / RINA / DNV GL / LR / BSH / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140403
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Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140403
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DNV		http://exchange.dnv.com/tari/	A-13956
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RINA		http://www.rina.org/en	ELE205816XG
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DNV GL		http://exchange.dnv.com/tari/	TAA00000YV
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LR		http://www.lr.org/en	17/20056
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BSH		http://www.bsh.de/de/index.jsp	Nr. 966
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
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Accessories

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Data cable by the meter

FO cable - PSM-LWL-GDM-RUGGED- 50/125 - 2799322



Fiber glass cable, duplex 50 µm/125 µm, by the meter, without male connector, for installation in stationary systems and machines

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Accessories

FO cable - PSM-LWL-GDO- 50/125 - 2799432



Fiberglass cable, duplex 50/125 µm, by the meter, without connector, for outdoor installation

Data cable preassembled

FO patch cable - FL MM PATCH 1,0 LC-LC - 2989158



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 LC-LC - 2989255



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-LC - 2901799



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 LC-SC - 2989161



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

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Accessories

FO patch cable - FL MM PATCH 2,0 LC-SC - 2989268



Assembled FO cable, break out cable, multimode fiberglass 50/125 μm (OM2), connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-SC - 2901800



Assembled FO cable, break out cable, multimode fiberglass 50/125 μm (OM2), connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 LC-ST - 2989174



Assembled FO cable, break out cable, multimode fiberglass 50/125 μm (OM2), connector: LC/B-FOC(ST®), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 LC-ST - 2989271



Assembled FO cable, break out cable, multimode fiberglass 50/125 μm (OM2), connector: LC/B-FOC(ST®), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-ST - 2901801



Assembled FO cable, break out cable, multimode fiberglass 50/125 μm (OM2), connector: LC/B-FOC(ST®), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

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Accessories

FO patch cable - FL MM PATCH 5,0 LC-ST - 2901801



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/B-FOC(ST®), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 2,0 LC-SCRJ - 2901803



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/SC-RJ, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-SCRJ - 2901804



Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/SC-RJ, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FOC-GDM-RUGGED-1016/IP20/... - 2901558



Robust GOF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, aramid strain-relief elements, with individual elements made from FRNC material, halogen-free, ozone and UV resistant, with a polyurethane (PUR) outer sheath

FO patch cable - FOC-GDM-RUGGED-1016/... - 1402193



rugged GOF installation cable for inner areas with highly tear-proof aramid strain-relief elements. Individual elements consist of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

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Accessories

FO patch cable - FOC-GDO-1017/IP20/... - 2901559



Highly rugged GOF round cable (IP20 heads only) for assembly and for outdoor installation with integrated moisture barrier as well as rodent-proof scrim. Individual elements made from highly flexible FRNC material. The wire is ozone and UV resistant with a very rugged polyethylene outer sheath.

FO patch cable - FOC-PN-HCS-GI-1005/IP20/... - 2901554



PROFINET HCS GI installation cable for assembly (IP20 heads only), suitable for drag chains, for indoor installation, gradient index fibers. Individual elements made from highly flexible FRNC material. Halogen-free, ozone and UV resistant with a polyurethane (PUR) outer sheath.

FO patch cable - FOC-PN-HCS-GI-1005/... - 1402189



HCS-GI installation cable for assembly for fixed installation in the inner area, with gradient index fibers for the highest performance requirements, as well as individual elements made of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.
