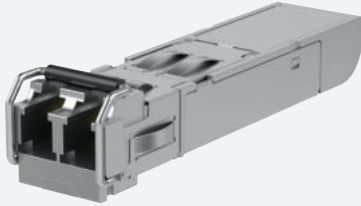


SFP Transceiver

FieldConnex®

SFP-1



- 100BASE-FX fast Ethernet multimode-fiber SFP
- Certified for use with Ethernet-APL field switches in Zone 2
- Class 1 laser product complies with EN 60825-1
- SFP Multi-Source Agreement compliant
- Ethernet link up to 2 km
- Duplex LC connector

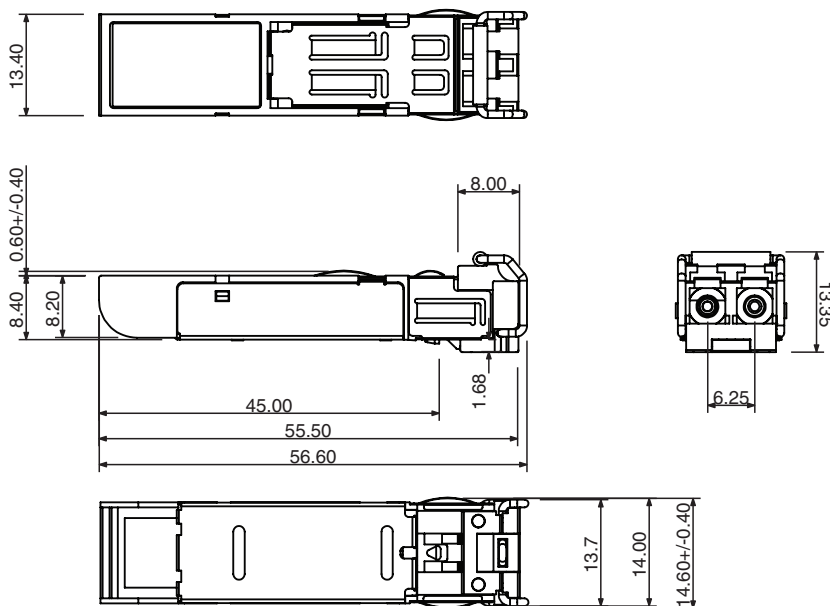
SFP transceiver, 2 km, 100BASE-FX, fast Ethernet multimode fiber



Function

The SFP-1 is an industrial rated SFP transceiver supporting 100 MBit/s fast Ethernet fiber-optical communication up to a link length of 2 km. The device is certified for installation in explosion-hazardous area Zone 2 and is intended to be used with Pepperl+Fuchs Ethernet-APL field switches.

Dimensions



Technical Data

General specifications

Installation in hazardous area	Zone 2
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Ethernet Interface

Interface type	100BASE-FX Fast Ethernet fiber
Connection type	duplex LC to duplex LC

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

Transfer rate	155 MBit/s
Fiber optics functionality	
Wave length	1310 nm
Cable type	50/125µm or 62.5/125µm multi-mode fiber optic
Cable length	max. 2 km
Connector type	1 Duplex LC
Transmit power (optical)	-20 ... 14 dBm
Receive sensitivity	-31 ... -8 dBm
Link budget	11 dBm
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
Conformity	
Electromagnetic compatibility	EN 61326 , NE 21
Ethernet	IEEE 802.3u for 100BASE-FX Fast Ethernet fiber
Shock resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6
Climatic conditions	DIN IEC 721
Laser safety	EN 60825-1 AEL Class 1
Ambient conditions	
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	≤ 95 % non-condensing
Shock resistance	15 g 11 ms
Vibration resistance	1 g 10 ... 150 Hz
Mechanical specifications	
Housing	SFP Multi-Source (MSA) compliant
Mass	17 g
Data for application in connection with hazardous areas	
EU-type examination certificate	TÜV 20 ATEX 8572 X
Marking	Ⓔ II 3 G Ex ec IIC T4 Gc
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2018 , EN 60079-11:2012 , EN 60079-15:2015
International approvals	
IECEx approval	IECEx TUR 21.0013X
Approved for	Ex ec IIC T4 Gc
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .