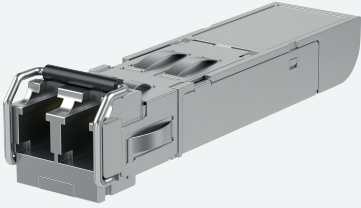


# SFP Transceiver

## FieldConnex®

### SFP-3



- 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 30 km
- Duplex LC connector
- Fiber-optic diagnostic monitoring

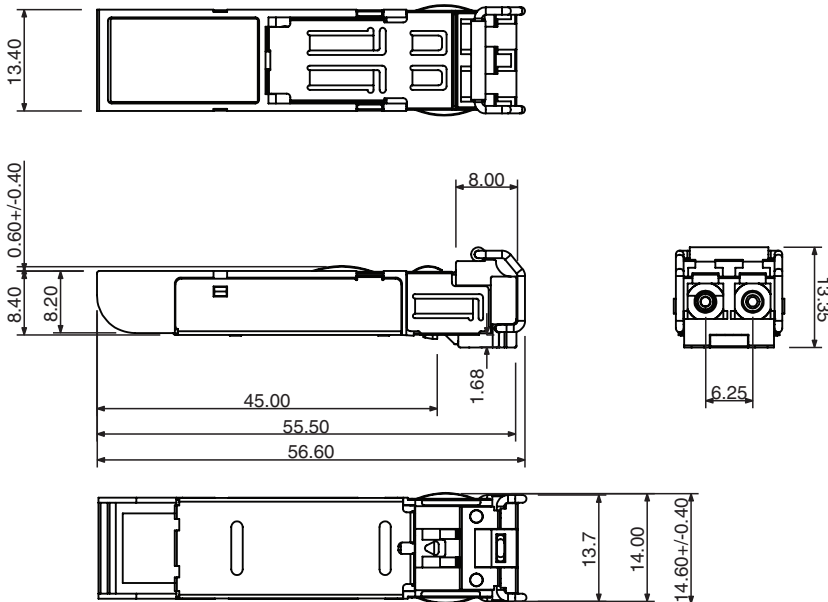
SFP transceiver, 30 km, 100BASE-LX, fast Ethernet single-mode fiber



### Function

The SFP-3 is an industrial rated SFP transceiver supporting fast Ethernet fiber-optical communication up to a link length of 30 km. The SFP supports fiber-optic diagnostic monitoring. 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
Ethernet Interface	
Interface type	100BASE-LX Fast Ethernet Fiber with fiber-optic diagnostic monitoring
Connection type	duplex LC to duplex LC

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## Technical Data

Transfer rate	155 MBit/s
Fiber optics functionality	
Wave length	1310 nm
Cable type	9/125 µm single-mode fiber optic
Cable length	max. 30 km
Connector type	1 Duplex LC
Transmit power (optical)	-15 ... -8 dBm
Receive sensitivity	-34 ... 0 dBm
Link budget	8.2 dBm
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
<b>Conformity</b>	
Electromagnetic compatibility	EN 61326 , NE 21
Ethernet	IEEE 802.3u
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
<b>Ambient conditions</b>	
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
<b>Mechanical specifications</b>	
Housing	SFP Multi-Source (MSA) compliant
Mass	17 g
<b>Data for application in connection with hazardous areas</b>	
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
<b>International approvals</b>	
IECEx approval	IECEx TUR 21.0013X
Approved for	Ex ec IIC T4 Gc
<b>General information</b>	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .