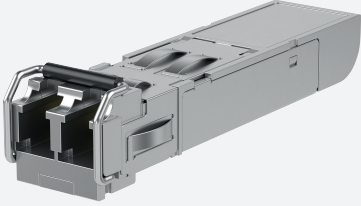


SFP Transceiver

FieldConnex®

SFP-2



- 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 550 m
- Duplex LC connector

SFP transceiver, 550 m, 1000BASE-SX, Gigabit Ethernet multimode fiber

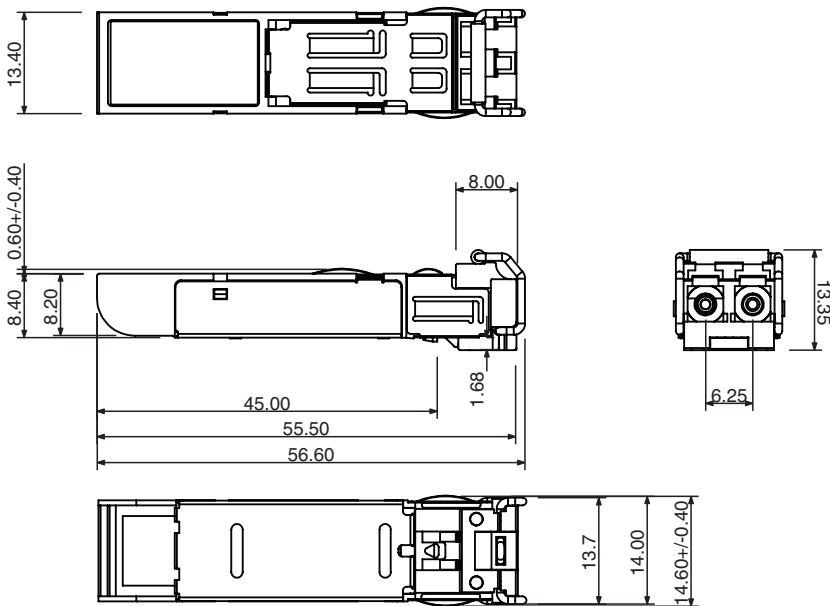


Function

The SFP-2 is an industrial rated SFP transceiver supporting Gigabit Ethernet fiber-optical communication up to a link length of 550 m.

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 1000BASE-SX Gigabit Ethernet Fiber
 Connection type duplex LC to duplex LC

Release date: 2025-05-06 Date of issue: 2025-05-06 Filename: 70125441_eng.pdf

Technical Data

| | |
|--|---|
| Transfer rate | 1.25 GBit/s |
| Fiber optics functionality | |
| Wave length | 850 nm |
| Cable type | 50/125µm or 62.5/125µm multi-mode fiber optic |
| Cable length | max. 550 m |
| Connector type | 1 Duplex LC |
| Transmit power (optical) | -9.5 ... -4 dBm |
| Receive sensitivity | -18 ... 0 dBm |
| Link budget | 8.5 dBm |
| Directive conformity | |
| Electromagnetic compatibility | |
| Directive 2014/30/EU | EN 61326-1:2013 |
| Conformity | |
| Electromagnetic compatibility | EN 61326 , NE 21 |
| Ethernet | IEEE 802.3z for 1000BASE-SX Gigabit 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 . |