

# SFP: 1000BASE-SX Gigabit Ethernet Multi-mode Fiber Extended Temperature

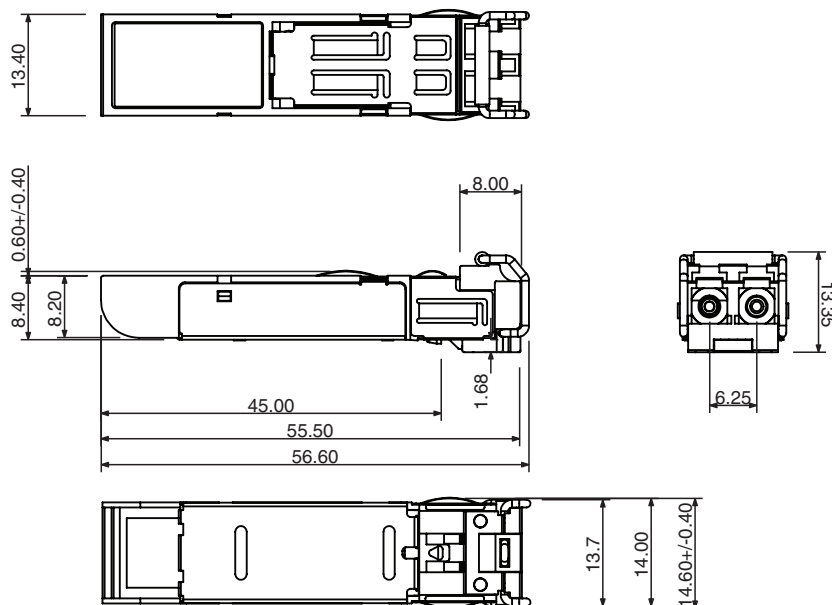
## SFP-M-2KM-G-W

- Industry standard small form pluggable (SFP) package
- SFP Multi-Source Agreement compliant
- Hot pluggable
- Class 1 laser product complies with EN 60825-1
- Single power supply 3.3V
- TTL signal detect indicator
- Duplex LC connector
- Extended temperature range: -40 to 85° C

Multi-mode 2KM 1000BASE-LX Gigabit Ethernet Fiber SFP



## Dimensions



## Technical Data

### Ethernet Interface

#### Standards

|                        |     |
|------------------------|-----|
| IEEE802.3z 1000BASE-SX | yes |
|------------------------|-----|

### Interface 1

|                |                                    |
|----------------|------------------------------------|
| Interface type | 1000BASE-SX Gigabit Ethernet Fiber |
| Physical       | SFP, Hot pluggable                 |
| Transfer rate  | 1.25 Gbps                          |

### Fiber optics functionality

Release date: 2024-08-21 Date of issue: 2024-08-21 Filename: 70116450\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

## Technical Data

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| Wave length                      | 1310 nm                                                                            |
| Cable type                       | 50/125µm or 62.5/125µm Multi-mode                                                  |
| Cable length                     | max. 2 km                                                                          |
| Connector type                   | 1 Duplex LC                                                                        |
| Transmit power (optical)         | -9 ... -1 dBm                                                                      |
| Receive sensitivity              | -19 ... -1 dBm                                                                     |
| Link budget                      | 10 dB                                                                              |
| <b>Directive conformity</b>      |                                                                                    |
| Electromagnetic compatibility    |                                                                                    |
| Directive 2014/30/EU             | EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-6, IEC 61000-4-8 |
| <b>Standard conformity</b>       |                                                                                    |
| Emitted interference             | CISPR 22 , FCC Part 15 Subpart B Class A , EN61000-6-4, IEC61000-6-4               |
| Noise immunity                   | EN 55024                                                                           |
| Standards                        | SFP Multi-Source (MSA) compliant Class 1 laser product complies with EN 60825-1    |
| <b>Ambient conditions</b>        |                                                                                    |
| Ambient temperature              | -40 ... 85 °C (-40 ... 185 °F)                                                     |
| Storage temperature              | -40 ... 85 °C (-40 ... 185 °F)                                                     |
| Relative humidity                | max. 95 %                                                                          |
| <b>Mechanical specifications</b> |                                                                                    |
| Mass                             | 17 g                                                                               |
| Dimensions                       |                                                                                    |
| Height                           | 8.5 mm                                                                             |
| Width                            | 13.4 mm                                                                            |
| Length                           | 56.5 mm                                                                            |