

# FO Splice Box in Stainless Steel with Return Flange

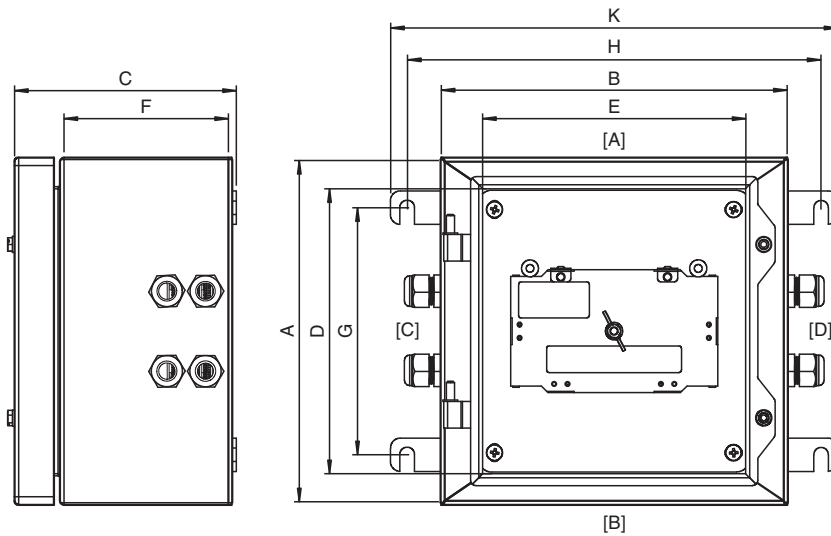
## FXLS260.FO4



- Safe protection of fiber optic cable splices in hazardous areas
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Ex op pr and Ex tb certified
- Stainless Steel enclosure
- 4 splice trays, 12 fusion-type splices per tray
- Wide range of cable glands and stopping plugs
- Return Flange Sealing



### Dimensions



Release date: 2020-05-11 Date of issue: 2020-05-11 Filename: 278197\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.com

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

**PEPPERL+FUCHS**

Dimension values see data table.

Image and drawing are generic for this device type and may deviate from the specific variant.

| Legend      |                                                   |
|-------------|---------------------------------------------------|
| A           | Height                                            |
| B           | Width                                             |
| C           | Depth                                             |
| D           | Internal height                                   |
| E           | Internal width                                    |
| F           | Internal depth to surface mounting plate          |
| G           | Mounting holes distance, vertical                 |
| H           | Mounting holes distance, horizontal               |
| J           | Mounting holes diameter                           |
| K           | Maximum external dimension with mounting brackets |
| [A] ... [D] | Cable entry faces                                 |

## Technical Data

### Mechanical specifications

|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Enclosure cover                         | fully detachable , concealed hinges        |
| Cover fixing                            | stainless steel hexagonal head screws      |
| Screws                                  | M6                                         |
| Number                                  | 2                                          |
| Tightening torque                       | 2 Nm                                       |
| Cover seal                              | one piece closed cell silicone             |
| Degree of protection                    | IP66                                       |
| Cable entry face C                      |                                            |
| M20 quantity                            | 4                                          |
| M20 series                              | Cable Glands, Plastic                      |
| M20 type                                | CG.PEDS.M20.*                              |
| M20 clamping range                      | 6 ... 12 mm                                |
| Cable entry face D                      |                                            |
| M20 quantity                            | 4                                          |
| M20 series                              | Cable Glands, Plastic                      |
| M20 type                                | CG.PEDS.M20.*                              |
| M20 clamping range                      | 6 ... 12 mm                                |
| Material                                |                                            |
| Enclosure                               | 1.5 mm AISI 316L, (1.4404) stainless steel |
| Finish                                  | electropolished                            |
| Mass                                    | approx. 3.8 kg                             |
| Dimensions                              |                                            |
| External dimension (A)                  | 260 mm                                     |
| External dimension (B)                  | 260 mm                                     |
| External dimension (C)                  | 165 mm                                     |
| Internal dimension (D)                  | 213 mm                                     |
| Internal dimension (E)                  | 193 mm                                     |
| Internal dimension (F)                  | 129 mm                                     |
| Mounting holes distance (G)             | 185 mm                                     |
| Mounting holes distance (H)             | 310 mm                                     |
| Mounting holes diameter (J)             | 11 mm                                      |
| Maximum external dimension (K)          | 335 mm                                     |
| Fiber optic splice tray                 |                                            |
| Number                                  | 4                                          |
| Dimensions                              | 155 mm x 92 mm x 8 mm                      |
| Quantity of splice connections per tray | 12                                         |

Release date: 2020-05-11 Date of issue: 2020-05-11 Filename: 278197\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.com

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

 **PEPPERL+FUCHS**

## Technical Data

|                                                                |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of splices                                                | fusion with 60 mm heatshrink protectors                                                                                                                                                                                                                      |
| Fiber optic splicing protection holders per tray               | 2 for heatshrink splice protectors 60 mm, 6 splices each                                                                                                                                                                                                     |
| Fiber optic strain relief per tray                             | 2 for 12 fibers each with 0.9 mm and 1.1 mm coating                                                                                                                                                                                                          |
| Fiber optic cables min. bending radius                         | 35 mm                                                                                                                                                                                                                                                        |
| Fiber optic cables frequency range                             | 10 ... 10000 MHz                                                                                                                                                                                                                                             |
| Standards                                                      | DIN 47662 and Telecom standards                                                                                                                                                                                                                              |
| <b>Ambient conditions</b>                                      |                                                                                                                                                                                                                                                              |
| Ambient temperature                                            | -50 ... 55 °C (-58 ... 131 °F)                                                                                                                                                                                                                               |
| <b>Data for application in connection with hazardous areas</b> |                                                                                                                                                                                                                                                              |
| EU-type examination certificate                                | CML 16 ATEX 3009X<br>BASEEFA 14 ATEX 0368U                                                                                                                                                                                                                   |
| Marking                                                        | Ex II 2 GD<br>Ex op pr IIC T* Gb<br>Ex tb IIIC T** °C Db<br>T5/T95 °C @ Ta +55 °C                                                                                                                                                                            |
| <b>International approvals</b>                                 |                                                                                                                                                                                                                                                              |
| IECEx approval                                                 | IECEx CML 16.0008X<br>IECEx BAS 14.0169U                                                                                                                                                                                                                     |
| <b>Conformity</b>                                              |                                                                                                                                                                                                                                                              |
| Degree of protection                                           | EN60529                                                                                                                                                                                                                                                      |
| CE marking                                                     | 0102                                                                                                                                                                                                                                                         |
| <b>General information</b>                                     |                                                                                                                                                                                                                                                              |
| Supplementary information                                      | EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> . |