Features

- 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
- Up to 8 splice trays, 12 fusion-type splices per tray
- Wide range of cable glands and stopping plugs
- Return Flange Sealing

Function

The FXLS*.FO* series is a range of fiber optic splice boxes designed for protection of optical fiber cable splices in hazardous areas. Up to 8 splice trays are installed inside the sturdy stainless steel enclosure.

The splice trays are according to DIN 47662 and Telecom standards, each tray can hold up to 12 fusion-type splices and is equipped with appropriate splice protection holders and FO strain relieves.

The enclosures are manufactured from electropolished AISI 316L stainless steel which provides excellent tarnish and corrosion resistance. This surface finish is ideally suited to meet hygienic requirements required for pharmaceutical and food processing plants.
All FXLS enclosures feature a return flange sealing method which prevents accumulated dirt, dust and moisture from entering the enclosure when the hinged lid is opened.

Durable materials allow the splice box to be used in ambient temperatures between -50 °C and +55 °C.

Fiber optic splice boxes are available in further enclosure materials such as GRP.

Type Code / Model Number

Enclosure type							
FXL metal enclosure with return flange							
|	**Material**						
|	**S** stainless steel						
|	|	**Enclosure size**					
|	|	**2** see dimensions data table					
|	|	|	**Type of explosion protection**				
|	|	|	**6** Ex op pr, Ex tb				
|	|	|	|	**Gland plate at face(s)**			
|	|	|	|	**0** none			
|	|	|	|	***** please contact Pepperl+Fuchs for options			
|	|	|	|	|	**Enclosure depth**		
|	|	|	|	|	standard depth, see dimensions data table		
|	|	|	|	|	**nn** increased depth		
|	|	|	|	|	|	**Type of solution**	
|	|	|	|	|	|	**FO*** fiber optic splice box (*) = quantity of splice trays, max. 8	
|	|	|	|	|	|	|	**Variant number**
|	|	|	|	|	|	|	Yxxxxxx
FXL	S	2	6	0		FO6	-Yxxxxxx
Example: Fiber optic splice box size 2 with 6 splice trays, in stainless steel							

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Technical Data	
Mechanical specifications	
Enclosure cover	fully detachable, concealed hinges
Cover fixing	stainless steel hexagonal head screws
Cover seal	one piece closed cell silicone
Degree of protection	IP66
Cable entry	see data table
Mass	see data table
Material	
Enclosure	1.5 mm AISI 316L, (1.4404) stainless steel
Finish	electropolished
Fiber optic splice tray	
Number	see data table
Dimensions	155 mm x 92 mm x 8 mm
Quantity of splice connections per tray	12
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
Ambient conditions	
Ambient temperature	-50 ... 55 °C (-58 ... 131 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3009X BASEEFA 14 ATEX 0368U
Marking	⬡ II 2 GD Ex op pr IIC T* Gb Ex tb IIIC T** °C Db T5/T95 °C @ Ta +55 °C
International approvals	
IECEx approval	IECEx CML 16.0008X IECEx BAS 14.0169U
Conformity	
Degree of protection	EN60529
CE marking	0102
General information	
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 www.pepperl-fuchs.com.

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

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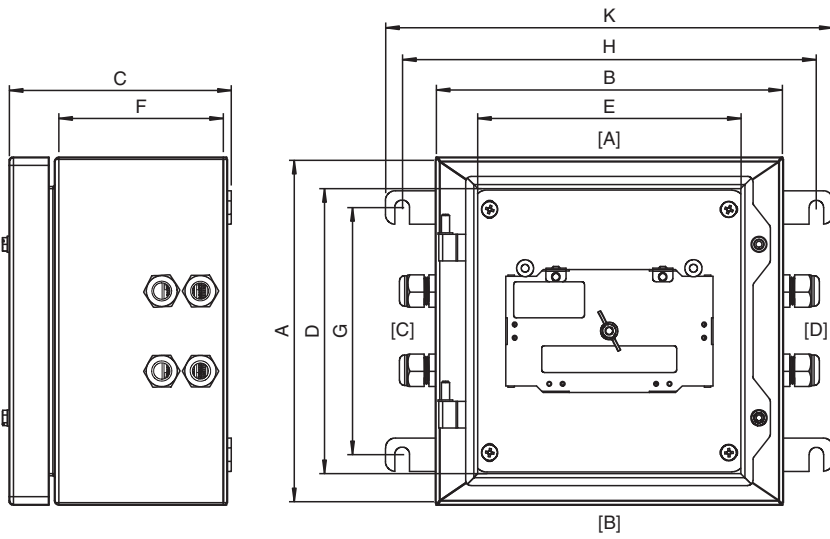
Legend	
A	Height
B	Width
C	Depth
D	Internal height
E	Internal width
F	Internal depth to surface mounting plate
G	Mounting holes distance, vertical
H	Mounting holes distance, horizontal
J	Mounting holes diameter
K	Maximum external dimension with mounting brackets
[A] ... [D]	Cable entry faces

Dimension values see data table.
Image and drawing are generic for this device type and may deviate from the specific variant.

Dimensions and Enclosure Details

Type	External dimensions [mm]				Internal dimensions [mm]			Mounting [mm]			Cover screws		
	A	B	C	K	D	E	F	G	H	J	Mx	qty.	Torque [Nm]
FXLS26*.FO*	260	260	165	335	213	193	129	185	310	11	M6	2	2

Cable Entries

Type	Splice trays qty.	Mass approx. [kg]	Cable entries face C and D				
			qty.	Series	Type	Clamping range [mm]	Note
FXLS260.FO1	1	3.2	1	Cable Glands, Plastic	CG.PEDS.M20.*	6 ... 12	additional entries closed with stopping plugs
FXLS260.FO2	2	3.4	2				
FXLS260.FO3	3	3.6	3				
FXLS260.FO4	4	3.8	4				-
FXLS260.FO6	6	4	6				-
FXLS260.FO8	8	4.2	8				-

Mass is valid for empty enclosure, it will increase according to integrated components and cable glands
Cable gland standard type: polyamide Ex e cable glands
For other types of cable glands please contact Pepperl+Fuchs

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

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