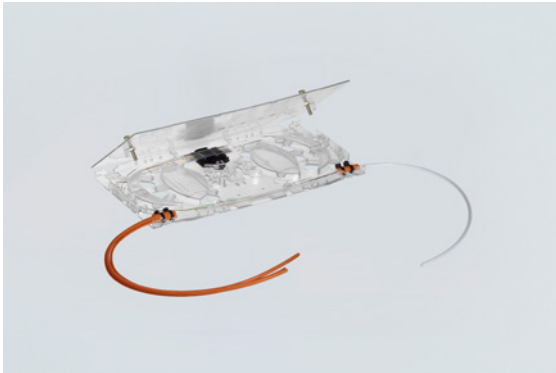




- For installation in a protective enclosure according to DIN EN 60079-0
- Standard and customer-specific enclosure versions available
- For correct and time-saving FO installation in Zones 1 and 2
- With one or two splice protector holders for mounting 6 or 12 fibre optic cables
- Integrated crossing field for crossing fibres with limited bending radius
- FO supply possible on all four sides
- Simple mounting

MY R. STAHL 8186A



The Series 8186 optical fibre splice cassette for Zone 1 enables the proper and time-saving connection of fibre optic cables in hazardous areas. The splice cassette provides space for a total of 2 splice protector holders. When using one splice protection holder, up to 6 fibre optic cables can be installed, or up to 12 fibre optic cables with two splice protection holders. The splice cassette is used, for example, in connection chamber enclosures as a transfer point between the flameproof control panels and network or as a connection point between the fibre optic cables. The splice cassette is available for use in gas hazardous areas or dust hazardous areas for installation in a protective enclosure according to DIN EN 60079-0, which is suitable for the provided operating location. Pre-assembled and customer-specific enclosure solutions for various applications are available.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•			

Selection Table

Product Description	Splice cassette Fibre optic		
Product Type	Description	Art. No.	Weight
8186/1	Max. 12 fibre optic cables	203633	105 g

Accessories set, 6-way splice protector holder (item no. 203682), please order separately

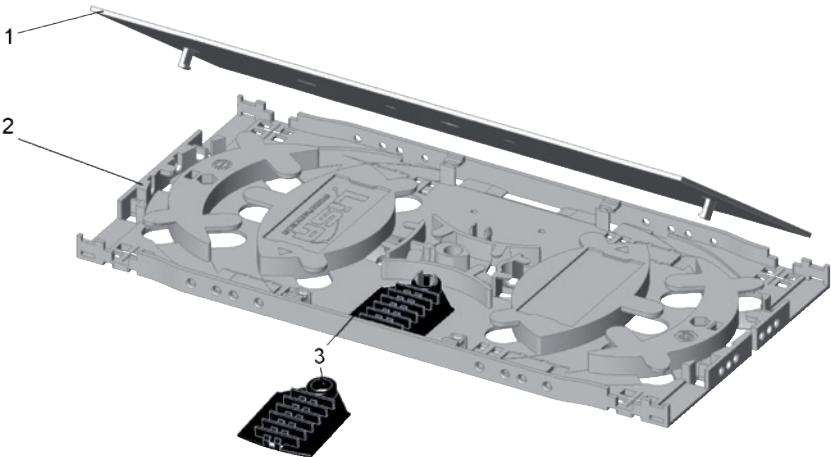
The splice cassette is also available installed in an Ex e enclosure, see accessories.
Enclosure variants on request.

Technical Data

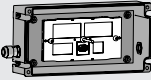
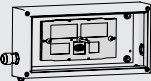
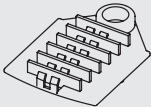
Explosion Protection	
IECEx gas explosion protection	Ex op pr IIC Gb
ATEX gas explosion protection	Ex II 2 G Ex op pr IIC Gb
Certificates	ATEX (PTB), Brazil (ULB), IECEx (PTB)
Declaration of Conformity	Certificate of conformity (ATEX)
Electrical Data	
Frequency	10 GHz 1 GHz 100 MHz 10 MHz
Ambient Conditions	
Ambient temperature	-55 °C ... +75 °C

Technical Data	
Ambient Conditions	
Ambient temperature	-67°F ... +167°F
Mechanical Data	
Enclosure material	Polycarbonate, flame-resistant, Halogen-free, UL94 V-0
Mounting / Installation	
Mounting type	Mounting plate

Technical Drawings – Subject to Alterations



Overview of optical fibre splice cassette 1 = Cover,
2 = Splice cassette, 3 = 6-way splice protector holder

Accessories			
Figure	Description	Art. No.	Weight
Control panel with optical fibre splice cassette			
	8146/5071+ 8186 (1 x 6-way FO splice cassette) Polyester resin, Glass fibre reinforced	257034	1.7 kg
	Enclosure 8150/5-0360-0176-091-3311+ 8186 (1 x 6-way FO splice cassette) Stainless steel 1.4404, (AISI 316L), brush finished	241704	3.8 kg
Accessories set, 6-way splice protector holder			
	For max. 6 fibre optic cables 8186 optical fibre splice cassette accessories set 1x 6-way splice protector holder 6x shrink splice protector, 2x cable tie	203682	6 g

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

A5

