Optical Fibre Splice Cassette
Series 8186

The new R. STAHL FO splice cassette, Series 8186 enables professional and time-saving connection of fibre optics. Overall, the splice cassette provides space for 2 splice protector holders. When using one splice protector holder a max. of 6 fibre optics can be installed or max. 12 fibre optics with two splice protector holders. The splice cassette is used, for example in connection chambers as a transfer point between the flameproof control panels and control room or as a connection point between the fibre optics. The splice cassette is available for use in areas with gas or dust explosion hazard installed in a suitable protective enclosure. Depending on the application different enclosure versions and sizes can be selected.

<table>
<thead>
<tr>
<th>ATEX / IECEx</th>
<th>Zone</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>20</th>
<th>21</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td>For use in</td>
<td></td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

WebCode 8186A
Optical Fibre Splice Cassette
Series 8186

Application Example

Installed in the Ex e enclosure, Series 8150.
Other enclosure versions on request

Selection Table

<table>
<thead>
<tr>
<th>Version</th>
<th>Description</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>FO splice cassette</td>
<td>für 6 oder 12 LWL (Zubehör 203682)</td>
<td>8146/5000</td>
</tr>
<tr>
<td>Series 8186</td>
<td>für 6 oder 12 LWL (Zubehör 203682)</td>
<td>8150/5</td>
</tr>
<tr>
<td></td>
<td><strong>Attention:</strong> The optical fibre splice cassette is available only installed in Ex e enclosures. Enclosure versions on request.</td>
<td></td>
</tr>
</tbody>
</table>

Explosion Protection

Global (IECEx)
- Gas: IECEx PTB 10.0060 U
- Ex op pr II C Gb

Europe (ATEX)
- Gas: PTB 10 ATEX 2015 U
- II 2 G Ex op pr II C Gb

Certifications and certificates
- IECEx, ATEX, Brazil (INMETRO), India (PESO), Kazakhstan (TR), Korea (KCs), Russia (TR), Serbia (SRPS), Taiwan (ITRI), Belarus (TR)

Technical Data

Electrical data
- Limiting values
  - Rated power: up to 100 mW
  - Frequency: 10 MHz, 100 MHz, 1 GHz, 10 GHz

Ambient conditions
- Ambient temperature: -40 ... +60 °C

Mechanical data
- Minimum bend radius: 35 mm
- Enclosure material: Polycarbonate, flame retardant, halogen-free, UL94 V-0
- Max. number of FO: 6 with 1 splice protector holder, 12 with 2 splice protector holders

Accessibility set (art. no. 203682), please order separately:
- 1 splice protector holder 6-way, 6 shrink splice protectors, 4 cable ties

Accessories and Spare Parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
<th>Art. no.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessories set, splice protector holder 6-way</td>
<td>for max. 6 FO: 1 splice protector holder 6-way, 6 shrink splice protectors, 2 cable ties</td>
<td>203682</td>
<td>0.006</td>
</tr>
</tbody>
</table>
Overview Optical Fibre Splice Cassette

1 = lid
2 = splice cassette
3 = splice protector holder 6-way

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

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.