Plug-in connection system PLEXO

Features

- Universal applications thanks to the plug and socket connection technology
- Quick and easy installation
- Easy to service and to maintain

Description

PLEXO is a plug-in connection system for heating cables used in potentially explosive atmospheres. Installation time and expense are substantially reduced with this innovative method. Maintenance work of future modifications of the heating circuit can be carried out more efficiently.

The PLEXO connection consists of a plug and a socket part. The heating cable and power cable strands are connected by means of reliable spring-loaded terminals.

The heating cable and power supply connection cable are connected via safe spring creating the requisite pressure, eliminating any need for unravelling or twisting. A sophisticated sealing system offers safe and reliable protection against adverse weather conditions.

Explosion protection

Ex protection type

- II 2G Ex e II
- II 2D Ex tD A21 IP 6X

Certification

- KEMA 09 ATEX 0184 U
- IECEx KEM 09.0086 U

Operating temperature

-60 °C to +120 °C

Technical data

Protection class

IP 66 according to EN 60529

Min. installation temperature

-30 °C

Diameter

of the heating conductor or the PTC resistor to be used 3 mm to 7.5 mm

Supply voltage

max. 420 V

Rated current

max. 25 A

Rated connection capacity

2.5 mm²

Material

- Enclosure: high-temperature thermoplastic
- Seals: Silicone rubber

Weight

- Plug and socket (splice) 240 g

Selection chart

<table>
<thead>
<tr>
<th>Description</th>
<th>Designation</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection for EKL medium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating cable splice</td>
<td>PLEXO E-KK</td>
<td>27-50SE-H01710KK</td>
</tr>
<tr>
<td>10 Ω/km to 8000 Ω/km</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating cable splice</td>
<td>PLEXO E-GG</td>
<td>27-50SE-H01710GG</td>
</tr>
<tr>
<td>7.2 Ω/km</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating cable connection</td>
<td>PLEXO E-GK</td>
<td>27-50SE-H01710GK</td>
</tr>
<tr>
<td>Side G: 7.2 Ω/km</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side K: 10 Ω/km to 8000 Ω/km</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blanking cap</td>
<td>PLEXO H-2</td>
<td>05-0037-0011</td>
</tr>
<tr>
<td>Protective end cap</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EKL cold lead Ex</td>
<td>PLEXO-2</td>
<td>05-0020-0530</td>
</tr>
</tbody>
</table>

Length 1.2 m; 2.5 mm²; M20 x 1.5

Technical data subject to change without notice.