Ex-d explosion-protected control stations made of light alloy metal are equipped with up to three components to switch and control processes in areas of Zone 1, 2, 21 and 22 at no risk of explosion.

Built-in components, such as signal lamps, push-buttons and switches are ready installed inside of the enclosures. To facilitate insertion of cables into the entries, Ex-d threads for 3/4” Ex-d cable glands are available at the enclosures.

A high “IP degree of protection” allows universal use in areas at risk of explosion. The light metal control stations have an outside earthing connection.

- High degree of protection IP67
- High mechanical, chemical and thermal resistance
- Individual configuration
Technical data

Ex-d control stations type EFS
Marking accd. to 94/9/EC
II 2 G Ex d IIC T6 / II 2 D IP67 T 85 °C
EC-Type Examination Certificate
LOM 03 ATEX 2034
IECEx Certificate of Conformity
IECEx BKI 07.0027
Marking accd. to IECEx
Ex d IIC T6
Ex tD A21 IP67 T80 °C
Permissible ambient temperature
–20 °C up to +55 °C
Rated voltage
max. 660 V AC
Rated current
max. 20 A
PE Connecting terminals
2 x 2.5 mm² / PE ext.: 2 x 6 mm²
Protection class
I
Incandescent lamp
230 V 3 W
Degree of protection accd. to EN 60529
IP67
Cable glands/Gland plates/Enclosure drilling
1 x 3/4” ISO 7/1 or 2 x 3/4” ISO 7/1, one plugged
Enclosure material
light alloy
Enclosure colour
natural finish

Other versions available on request

Ordering details

<table>
<thead>
<tr>
<th>Type</th>
<th>Content</th>
<th>Weight</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control units</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFS A</td>
<td>1 x pushbutton, 1 NO + 1 NC, label „white“</td>
<td>0.75 kg</td>
<td>NOR 000 114 110 511</td>
</tr>
<tr>
<td>EFS A/A</td>
<td>2 x pushbutton, 1 NO + 1 NC, label „I - 0“</td>
<td>0.85 kg</td>
<td>NOR 000 114 110 553</td>
</tr>
<tr>
<td>EFS D</td>
<td>1 x mushroom-head pushbutton, 1 NO + 1 NC, label „0“</td>
<td>0.80 kg</td>
<td>NOR 000 114 110 587</td>
</tr>
<tr>
<td>EFS A/D</td>
<td>1 x pushbutton 1 NO, 1 x mushroom-head pushbutton NC, label „I - 0“</td>
<td>0.85 kg</td>
<td>NOR 000 114 110 540</td>
</tr>
<tr>
<td>EFS L</td>
<td>1 x alarm pushbutton, 1 NO + 1 NC, with window</td>
<td>0.85 kg</td>
<td>NOR 000 114 110 595</td>
</tr>
<tr>
<td>EFS A/A/A</td>
<td>3 x pushbutton, 1 NO + 1 NC, label „0 - I - II“</td>
<td>1.50 kg</td>
<td>NOR 000 114 110 747</td>
</tr>
<tr>
<td>EFS A/A/V</td>
<td>2 x pushbutton, 1 NO + 1 NC, label „0 - I - II“,</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x green signal lamp</td>
<td>1.50 kg</td>
<td>NOR 000 114 110 748</td>
</tr>
<tr>
<td>EFS 72</td>
<td>for measuring instrument AM 72 (72 mm x 72 mm), not part of the delivery</td>
<td>1.20 kg</td>
<td>NOR 000 114 110 740</td>
</tr>
</tbody>
</table>

Control switches

<table>
<thead>
<tr>
<th>Type</th>
<th>Content</th>
<th>Weight</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFS I</td>
<td>0 - 1</td>
<td>0.90 kg</td>
<td>NOR 000 003 110 945</td>
</tr>
<tr>
<td>EFS H</td>
<td>1 - 2</td>
<td>0.90 kg</td>
<td>NOR 000 003 110 937</td>
</tr>
<tr>
<td>EFS J</td>
<td>1 - 0 - 2</td>
<td>0.90 kg</td>
<td>NOR 000 003 110 953</td>
</tr>
<tr>
<td>EFS P</td>
<td>0 - 1</td>
<td>0.90 kg</td>
<td>NOR 000 003 110 995</td>
</tr>
<tr>
<td>EFS P40</td>
<td>0 - 1</td>
<td>0.90 kg</td>
<td>NOR 000 114 110 738</td>
</tr>
</tbody>
</table>
**Ex-d control stations**

Dimension drawing

EFS 72 | EFS A/A/V | EFS A | EFS D

**Dimension drawing**

EVS...  X = fixing dimensions

Dimensions in mm

98 95 90 108 Ø6 60