Visual signal designed for use in hazardous environments. Product series FD40IS is a flashing signal. Product series SD40IS provides a steady signal for status indication.

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

<table>
<thead>
<tr>
<th>Europe (ATEX)</th>
<th>Gas and dust</th>
<th>Baseefa05ATEX0075</th>
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<tr>
<td></td>
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<td>Il 1G Ex ia IIIC T4 Ga</td>
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<tr>
<td></td>
<td></td>
<td>II 1D Ex ia IIIC T190°C Da</td>
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</table>

**Certifications and certificates**

- **Certificates**: ATEX, India (PESO)

**WebCode**: FD_SD40ISA

> 8 LED array flashing or status beacon
> High light intensity
> Long life LED design
> Available in six different colours
> Flame retardant ABS enclosure
> Up to 4 modules in any combination of colours
### Selection Table

<table>
<thead>
<tr>
<th>Version</th>
<th>Base colour</th>
<th>Rated operational voltage</th>
<th>Lens colour</th>
<th>Order number</th>
<th>Art. no.</th>
<th>Weight kg</th>
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<tbody>
<tr>
<td>Instrinsically Safe LED Visual Flashing Signal FD40IS signal, ATEX certification, standard single module devices</td>
<td>red normal (RN)</td>
<td>16.2 ... 26.4 V</td>
<td>amber</td>
<td>FD40IS/X/A/RN</td>
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<td>0.150</td>
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<td></td>
<td>red</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>opal</td>
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<td>blue</td>
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<td>212409</td>
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<td>clear</td>
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<td>212410</td>
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<tr>
<td>Instrinsically Safe LED Visual Status Signal SD40IS signal, ATEX certification, standard single module devices</td>
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<td>16.2 ... 26.4 V</td>
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<td>clear</td>
<td>SD40IS/X/C/RN</td>
<td>212406</td>
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</tr>
</tbody>
</table>

**Note**

Multiple module units are available. Contact your local sales office for details.

**Example module combinations**

- **Single device**
  - Red normal (RN)
  - Yellow

- **Double device**
  - Red normal (RN)
  - Yellow

- **Triple device**
  - Red normal (RN)
  - Yellow

- **Quadruple device**
  - Red normal (RN)
  - Yellow

---

**Diagram**

- **Base colour**
  - Red normal (RN)
- **Module (1)**
  - Red normal (RN)
  - Yellow
- **Module (2)**
  - Red normal (RN)
  - Yellow
- **Module (3)**
  - Red normal (RN)
  - Yellow
- **Module (4)**
  - Red normal (RN)
  - Yellow

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**Signalling Devices**

2014-11-01-EX00 III en
**Instrinsically Safe LED Visual Flashing or Status Signal**
Series FD40IS, SD40IS

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### Technical Data

#### Electrical data

- **Rated operational voltage**
  - 16.2 ... 26.4 V

- **Current consumption**
  - 24 V DC: 28 V / 300 Ω, 22 mA
  - 18 V DC*: 28 V / 300 Ω, 14 mA

*Light output reduced

- **Certified input parameters**
  - $U_i = 30 \text{ V}$
  - $I_i = 200 \text{ mA}$
  - $P_i = 0.7 \text{ W}$
  - $C_i = 0$
  - $L_i = 0$

- **Line monitoring**
  - yes

#### Luminous characteristics

- **Light source**
  - 8 array LED

- **Flash rate**
  - 1/s (FD40IS only)

- **Lens colour**
  - amber, red, green, opal, blue, clear

#### Ambient conditions

- **Operating temperature range**
  - -25 ... +40 °C

- **Storage temperature**
  - -40 ... +70 °C

- **Max. relative humidity**
  - 90 % at 40 °C

#### Mechanical data

- **Cable entries**
  - 1 x M20

- **Material**
  - **Enclosure**: ABS, flame retardant
  - **Lens**: polycarbonate, flame retardant
  - **Assembly parts**: stainless steel fixings
  - **Labels**: polyester foil, adhesive

- **Degree of protection**
  - IP65 acc. to IEC 60529

#### Mounting / Installation

- **Mounting**
  - All units are supplied separately from the base for ease of installation. The base should be mounted to a reasonably flat surface or bulkhead. A gasket is supplied, should the surface be uneven, or if the unit is to be used in wet conditions. The installation is completed by fitting the beacon onto the base by means of the supplied screws.

- **Connection**
  - Each beacon should be wired independently.
  - 2.5 mm² terminals

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### Accessories and Spare Parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>Figure</th>
<th>Description</th>
<th>Order number</th>
<th>Art. no.</th>
<th>WebCode</th>
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<tbody>
<tr>
<td>Safety barrier</td>
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<td>9002A</td>
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<td>Galvanic isolator</td>
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<td>160472</td>
<td>9176A</td>
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<tr>
<td>Cabel gland</td>
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<td>8161/8-M20-1304 4 ... 13 mm² (delivery lot*)</td>
<td>8161/8-M20-1304</td>
<td>239164</td>
<td>8161A</td>
</tr>
</tbody>
</table>

*Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the delivery lot.
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