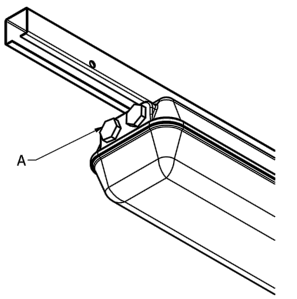
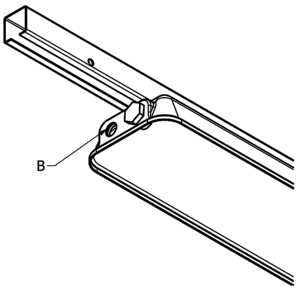
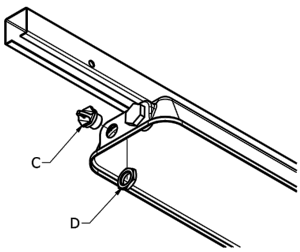
User manual for

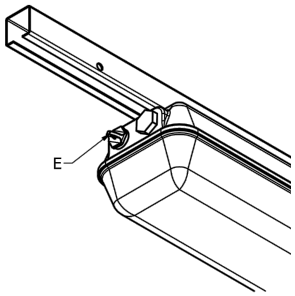
Safety plug SP25/12 & SP25/17

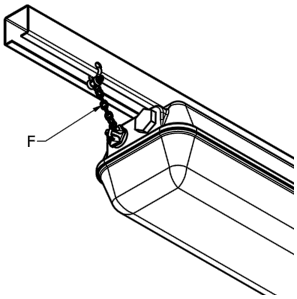
Date: 30.11.2015











Installation:

1. Read the specifications for the relevant light fixtures before mounting the safety plug and check that it is in accordance with the Ex certificate for the luminaire.
2. Remove one of the blanking plugs. (A & B)
3. Install the secure plug with locking nut on the inside of the lamp. (C & D)
4. Tighten the nut from the inside (D) and check the o-ring for damage after assembly (E).
5. When mounting in luminaires of non-metallic material, there shall be a earth connection between the safety plug and earth connection inside the lighting fixture. Use the nut option for non-metallic enclosures. (Look at technical specification.)
6. Clearance and creepage distances according to IEC 60079-7 has to be checked after installation, with respect to the blanking elements length into the enclosure.
7. Installed in electrical equipment with 25mm entrance hole only.

Installation of secondary barrier:

1. Use a lockable carbine hook to attach the safety wire to the safety plug.
2. Adjust the length of a safety wire, and mount this in nearby structure or suitable location.
3. A secondary barrier is now established. (F)
4. Breaking strength of the eye is tested to ca. 1500 kg.

Maintenance:

Safety plugs that showing traces of or has mechanical wear or host exposed to impact or deformation should not be used. Mounted safety plugs with such damage should be replaced with new ones.
Safety plugs are to be visually checked for damage once a year.

According to standards:
IEC 60079-0:2011, EN 60079-0:2012
IEC 60079-7:2006, EN 60079-7:2007

Ⓔx I 2G Ex eb IIC CE 0470 HLSecure-N6143 SP25-1501
Presafe 15 ATEX 5985X&IECEx PRE 15.0005X

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Description of Equipment or Protective System
This certificate covers Highlight Secure AS blanking element made of brass with a thread size of M25x1.5 and belonging brass nut. It includes two different O-rings, one made of Viton and one made of silicone with two different operating temperatures. The blanking element includes a hank for connection to a safetywire. It is only the Ex requirements for blanking elements that has been assessed and tested in this certificate.

Type Identification
Safety Plug M25, SP25 with green Viton O-ring
Safety Plug M25, SP25 with red Silicone O-ring
The plug comes in two length 12 and 17mm, SP25/12 and SP25/17.

Degrees of protection (IP Code)
IP66/67 according to IEC 60079-0

Special Conditions for Safe Use
- Operating temperature of the Green, Viton O-ring is -20°C to +135°C
- Operating temperature of the Red, Silicone O-ring is -40°C to +135°C
- The blanking element has to be mounted according to its manual and the enclosure or other suitable devices instructions.
- Clearance and creepage distances according to IEC 60079-7 has to be checked after installation, with respect to the blanking elements length into the enclosure.
- If mounted in non-metallic enclosure, special caution to earthing has to be taken.