### Explosion protection

**Ex protection type**
- ATEX  Ex d + e/d IIC Ga/Gb
- I M1  Ex d + e I Ma

**Certification**
- CML 13 ATEX 1009 U
- IECEx   Ex d + e/d IIC Ga/Gb
- Ex d + e I Ma
- Certification
- IECEx CML 14.0003 U

Other approvals and certificates, see www.bartec-group.com

### Temperature at rated operation
- -55 °C to +150 °C (with potting)
- -55 °C to +200 °C (without potting)

### Technical data

**Protection class**
- IEC 60529/EN 60529 without encapsulating IP 00

**Material**
- Sleeve    metal
- Insulator glass
- Pour      EP resin, PU resin
- Bushing bolt FeNi alloy steel, Niro steel

**Rated insulation voltage**
- AC 50 V/DC 75 V, 250 V, 690 V, 1 000 V

**Rated uninterrupted current**
- up to 500 A

**Type of connection**
- Core wires 0.25 mm² to 16 mm²
- Threaded bolts M3 to M30

**Construction sizes**
- Thread M10x1 to M72x2
- Flange Ø 10 mm to 250 mm

**Pressure**
- -500 mbar to +400 bar

### Complete order no. 07-96

There are many connection options available through core wires or threaded bolts.

*Technical specifications can be given in the customer requirements form at the end of the chapter.

Technical data subject to change without notice.

---

**Description**

The 07-96-... type series II 1G line bushing serves as a gas diffusion-proof isolation element for zone 0 (1G/2G) while simultaneously providing an electric connection for leads:

- between flameproof enclosures
- between flameproof enclosures and enclosures with another approved type of protection Category II 2 G
- flameproof enclosures and protected installations Category II 3 G or
- in the safe area

The core piece of this gas diffusion-proof lead-through is a metal plate in which the stud-type bushings are insulated with glass. The electrical connection on both sides of the lead-through can be set forth with metal duct bolts, cable wires or hose lines as required.

This connecting area is, or can additionally be, cast with a poured resin.

The connector studs, connecting wires or the hose line of the line bushing II 1G must be connected in enclosures which conform to a type of protection standardised according to DIN EN 60079-0.

The lead-through is compliant with the pertinent DIN EN 60079-0, DIN EN 60079-1 and DIN EN 60079-7 and DIN EN 60079-26 standards.