

8171/09-KB Art. No. 139180



- Means of supplying power to lead-in for Ex d enclosures
- Sealed to prevent propagation of flame on explosion and insulated from wall
- Versions with: split post connection, clamp connection, soldered connection
- For voltages up to max. 1000 V and currents up to max. 630 A

MY R. STAHL 8171A



The bushings are permitted to be used as current feeders in enclosures with type of protection "flameproof".

They are fitted puncture-proof and insulated into the enclosure wall.

Duct bolt is located in the middle of a ring nut and the parts are bonded with a high-quality, track resistant insulating material (epoxy resin) to form an inseparable unit.

For the connection points in the Ex e enclosure increased creepage paths and air gaps according to IEC/EN 60079-7 are valid.

The bushings have to be secured against self-loosening.

Technical Data

Explosion Protection

| | |
|--------------------------------|---------------------------------------|
| Ex version | Yes |
| Application range (zones) | 1 2 |
| IECEX gas certificate | IECEX PTB 06.0080U |
| IECEX gas explosion protection | Ex de IIC Gb |
| ATEX gas certificate | PTB 00 ATEX 1066 U |
| ATEX gas explosion protection | Ⓔ II 2 G Ex de IIC Gb |
| Certificates | ATEX (PTB), China (CQST), IECEX (PTB) |

Electrical Data

| | |
|------------------------------|--------|
| Rated operational voltage AC | 1000 V |
| Rated operational current | 250 A |

Ambient Conditions

| | |
|---------------------|--------------------|
| Ambient temperature | -55 °C ... +130 °C |
|---------------------|--------------------|

Mechanical Data

| | |
|---------------------------|---------------------------------|
| Feedthrough bolt material | Brass |
| Moulding material | Epoxy resin |
| Ex d connection terminal | Hexagon screw |
| Ex e connection terminal | Clamp connection with slit-bolt |
| Connection cross-section | 35 mm ² |
| Number of bolts | 1 |
| Width across flats | SW46 |
| Thread size | M42 |
| Thread pitch | 1,5 |
| Weight | 700 g |

Installation Equipment and Accessories

Post-type bushing



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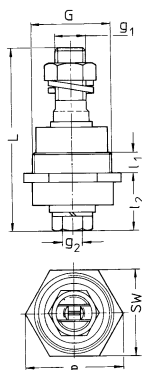
Mechanical Data

| | |
|--------|---------|
| Weight | 1.54 lb |
|--------|---------|

Mounting / Installation

| | |
|-------------------|-------|
| Tightening torque | 50 Nm |
|-------------------|-------|

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.