

8171/56-DB Art. No. 139221



- 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
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#### Mechanical Data

Feedthrough bolt material	copper
Moulding material	Epoxy resin
Ex d connection terminal	Cheese head screw
Ex e connection terminal	Clamp
Ex e connection terminal 2	For cable lug
Connection cross-section	150 mm <sup>2</sup>
Number of bolts	1
Width across flats	SW46
Thread size	M42
Thread pitch	1,5

# Installation Equipment and Accessories

## Post-type bushing



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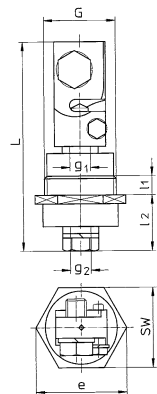
### Mechanical Data

Weight	36 g
Weight	0.08 lb

### Mounting / Installation

Tightening torque	50 Nm
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### 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.