

8171/PE-16 Art. No. 139206



- 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 21 22
IECEX gas certificate	IECEX PTB 06.0080U
IECEX gas explosion protection	Ex de IIC Gb
IECEX dust certificate	IECEX PTB 06.0080U
IECEX dust explosion protection	Ex tb IIIC Db
ATEX gas certificate	PTB 00 ATEX 1066 U
ATEX gas explosion protection	⊕ II 2 G Ex de IIC Gb
ATEX dust certificate	PTB 00 ATEX 1066 U
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), China (CQST), IECEX (PTB)

Electrical Data

Short-circuit strength/1 s/T4/40 °C	1.8 kA
Short-circuit strength/1 s/T4/55 °C	1.6 kA
Short-circuit strength/1 s/T5/40 °C	1.5 kA
Short-circuit strength/1 s/T5/55 °C	1.2 kA
Short-circuit strength/1 s/T6/40 °C	1.3 kA
Short-circuit strength/1 s/T6/55 °C	1 kA

Ambient Conditions

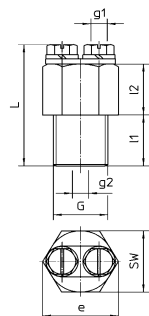
Ambient temperature	-55 °C ... +55 °C
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Mechanical Data

Degree of protection (IP)	IP66
Feedthrough bolt material	Nickel-plated brass
Silicone-free	Yes
Ex e connection terminal	Hexagon screw
Ex e connection terminal 2	Hexagon screw
Connection cross-section	16 mm ²
Number of bolts	1
Width across corners	28 mm
Width across flats	SW24
Thread size	M20
Thread length	20 mm
Thread pitch	1,5
Weight	140 g
Weight	0.31 lb

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.