

# TOS Bushings

ATEX & IECEx Certified Flameproof Bushings

## Safe. Versatile. Reliable.

Introducing our high-performance conductive bushings, designed with the highest standards of safety and adaptability in mind. Engineered for hazardous environments, this bushing is fully certified in compliance according to the latest ATEX and IECEx standards, ensuring safe and reliable use in explosive environments.

Our ceramic flameproof bushings combine safety, flexibility, endurance and allow to optimize your operations: it is a smart solution for safe, reliable connectivity in hazardous zones.

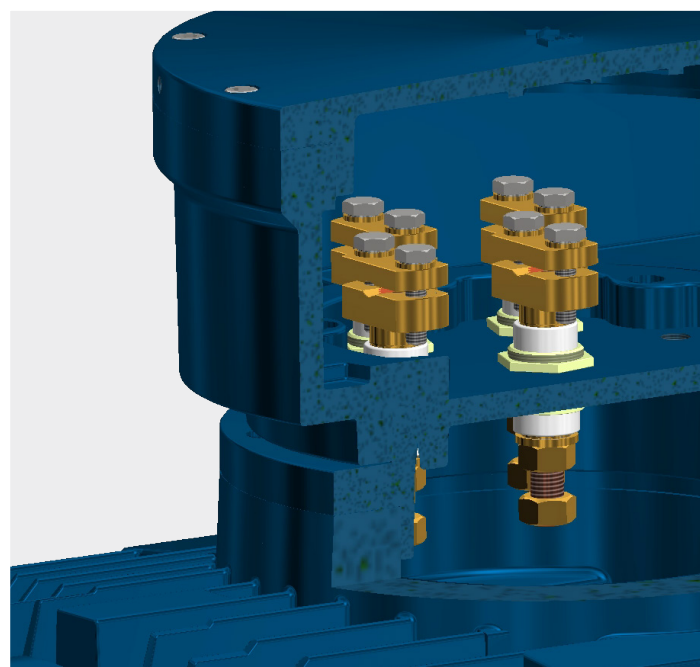
Beside our standard executions, we are also focused on providing special executions according to customers needs.

### Key Features:

- Ceramic body: Exceptional insulation, high thermal resistance, chemical resistance and durability, perfect for demanding industrial applications in harsh environments.
- Removable bolt: easy maintenance, customization, and swift replacement, reducing downtime and enhancing flexibility.
- Wide range of connection options: equipped to support a variety of connections, this bushing can adapt to diverse application needs, making it suitable for multiple setups.

### Characteristics

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| Voltage             | 690V, 1000V or 1600V                                                                              |
| Current             | from 16 to 630A                                                                                   |
| Threads             | from M16 to M48                                                                                   |
| Bolt diameter       | from 4 to 20mm                                                                                    |
| Ambient temperature | -55 °C ... + 130 °C                                                                               |
| Standard            | EN IEC 60079-0:2018 + AC:2020-02<br>EN 60079-1:2014 + AC:2018-09<br>EN IEC 60079-7:2015 + A1:2018 |
| Type of protection  | II 2G Ex db eb IIC Gb<br>I M2 Ex db eb I Mb                                                       |
| Certificate         | SIQ 22 ATEX 275 U<br>IECEx SIQ 13.0001U                                                           |



## MV TOS Bushings

ATEX & IECEx Certified Medium Voltage Flameproof Bushings

### For applications requiring higher voltage capacity

Our medium voltage conductive bushings offer the same level of safety and adaptability as our low voltage bushings, with ATEX and IECEx certification up to 10kV. Designed to withstand increased electrical loads, these bushings use a specially formulated epoxy-molded compound as the insulating material, which provides enhanced dielectric strength, excellent thermal endurance, and resistance to harsh industrial environments, making it ideal for medium-voltage applications.

#### Characteristics

|                     |                                |
|---------------------|--------------------------------|
| Voltage:            | 6.3 or 10kV                    |
| Rated current:      | 400A                           |
| Threads:            | M75x1.5                        |
| Bolt diameter:      | 16mm                           |
| Connection:         | up to 300mm <sup>2</sup>       |
| Ambient temperature | -60°C ... + 120°C              |
| Standard            | EN IEC 60079-0:2012 /A22: 2013 |
|                     | EN 60079-1:2014                |
|                     | EN IEC 60079-7:2015 /A1:2018   |
| Type of protection  | II 2G Ex db eb IIC Gb          |
|                     | II 2G Ex db IIC Gb             |
|                     | I M2 Ex db I Mb                |
| Certificate         | SIQ 18 ATEX 044 U              |
|                     | IECEx SIQ 18.0006U             |

