

Ex approved threaded line bushing
 with Ex e terminal enclosure 3, 5 or 8 pole

General data



- Wide temperature range
- Easy handling
- Ready to use
- Many international approvals
- No re-certification required

Description

Line bushings are used to electrically connect equipment in potentially explosive atmospheres. The connection is always made between a flameproof enclosure (Ex-d) and an enclosure with a different type of protection in accordance with IEC/EN 60079-0.

Our special solution is the LBCON. Here the connection between the Exe enclosure and the cable bushing are combined. The main advantage of this type of connection is that the flameproof enclosure need not be opened. The LBCON can be opened by undoing the Exe enclosure. The connection is made via a 3-, 5- or 8-pole terminal block. Alternatively our certified shrink system can be used.



Applications

- Ex-d enclosures, Cabinets or Pumps
- Sensors, measurement devices, motors, actuators, pneumatic and hydraulic devices, etc.
- Used on Sea-platforms, Drilling Rigs, rolling mills, gas tanks, climatic chambers, compactors, etc.

Technical Data

Temperature range: -55°C...+115°C
(depending on model type)

Max. Conductor quantity: 8 strands
(shrink system on request)

Bushing material: Brass nickel-plated
(other materials on request)

Marking

- ⊕ II 2G Ex eb db IIC T4/T5/T6 Gb
- ⊕ II 2D Ex tb IIIC T135°/T100°C/T85°C Db IP66
- ⊕ I M2 Ex db I Mb
- ⊕ I M2 Ex eb I Mb

	LBCON 3	LBCON 5	LBCON 8
Current	max.16A	max.20A	Imp. 100 Ohm
Voltage	230/400V AC	320V	60V
Threads	M20	M25	M25
Strands	0,75mm ² to 2,5mm ²	0,75mm ² to 2,5mm ²	AWG 24
Strands mat.	Radox 125	Radox 125	Radox CAT7

(other strands material on request)

Certificates

ATEX
 IECEx / mining
 EAC TC-RU (GOST)
 CSA
 FM
 UL

Special applications on request, please contact us to discuss your requirements.