

TL-EX-JB1-X-X-X Series Explosion-proof Electric Junction Box

1 Application and Features

- Explosion protection
ATEX
- Application in hazardous area
Zone 1 and Zone 2,
Zone 21 and Zone 22
- Explosion protection types
II 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T85°C Db
- Designed for safe connection and distribution of electrical wiring in hazardous areas.
- Suitable for use in Zone 1 and Zone 21 hazardous locations where explosive gas or dust atmospheres may be present.
- Provides flameproof protection (Ex d) to prevent ignition of surrounding hazardous atmospheres.
- Allows safe cable entry and wiring connections inside the enclosure.
- Manufactured from special aluminium alloy providing high mechanical strength and corrosion resistance.
- Multiple threaded cable entries available to accommodate different installation requirements.
- Designed for use in oil & gas, petrochemical plants, offshore platforms and other hazardous industrial environments.
- Provides IP66 protection against dust and water ingress when properly installed.
- Complies with ATEX Directive 2014/34/EU and IEC / EN 60079 explosion protection standards.



2 Technical parameters

Voltage	12 Vac – 450 Vac
Degree of Protection	IP66
Ambient Temperature	-20°C to +50°C
Frequency	50/60 Hz

3 Selection Table

TYPE	X (Number Of Connections)	X (Screw Thread Type)	X (Screw Thread Size)
TL-EX-JB1-X-X-X	2	G (Gas Thread)	G ¼", G ½", G ¾", G 1", G 1½"
	3	N (NPT Thread)	NPT ¼", NPT ½", NPT ¾", NPT 1", NPT 1½"
	4	M (Metric Thread)	M16X1,5 ; M20X1,5 ; M25X1,5 ; M30X1,5 ; M32X1,5