



DISCOVER SIMOTICS

## **SIMOTICS XP MOTORS**

Ex db eb IIB/IIC

Main terminal box concept

**SIEMENS**

# Benefits of an Increased Safety main terminal box concept



How can you benefit from an increased safety main terminal box concept while still complying with Zone 1 requirements for an Ex db eb motor? This involves a flameproof design combined with all the advantages of main and auxiliary terminal boxes with increased safety type of protection. This represents a cost-effective solution that complies with all the applicable standards.



We comply with all the requirements in IEC 60079 regarding the use of flameproof main or auxiliary terminal boxes for Zone 1 applications. Why not benefit by using a versatile solution involving Ex eb terminal boxes that comply with Zone 1 requirements and their associated features?

This provides a very cost-effective solution that facilitates easy maintenance, allows cables with lugs to be easily handled and cable terminals to be easily accessed.

Long motor cables? Motor cables with large cross-sections? Simply order a motor with a larger main terminal box that has larger terminals and complies with specified tightening torques.

## This solution provides the following advantages:

Easy access with plenty of space to route and handle cables	>	Easy maintenance	✓
A terminal box one size larger is possible	>	Larger terminals to connect thicker cables	✓
Versatile auxiliary configurations	>	Up to 4 auxiliary terminal boxes	✓
Wide range of cable glands can be used	>	Always complies with project specifications	✓
Rugged material, sealing concept up to IP66	>	Dual certification (gas/dust)	✓
Main terminal box can be easily rotated	>	Any SIMOLOG Ex partner can rotate the terminal box	✓

# Terminal box

## Connection examples



TB3R01



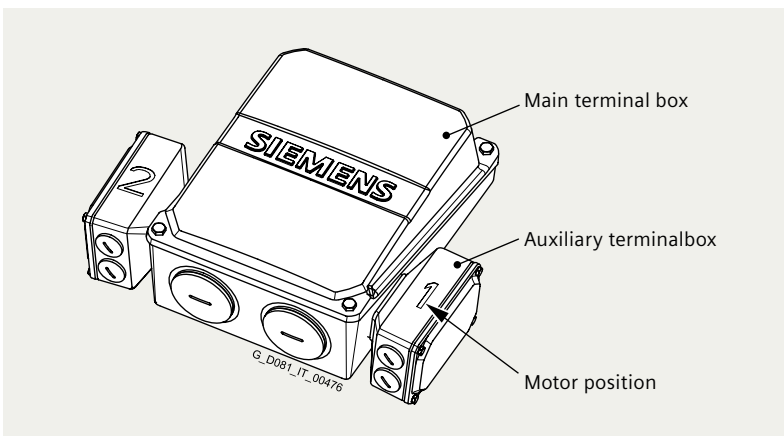
TB1Q01



TB1L01

# Auxiliary terminal box

## Configuration examples



# But maybe you really do require an Ex db main terminal box. **No problem!**

- SIEMENS can provide customized solutions to address your applications, projects and other specific requirements.
- SIEMENS can provide you with an Ex db motor with Ex db main terminal box if you need a pure flameproof solution.
- Benefit from our seamless portfolio and always be one step ahead with future-proof solutions to address any hazardous zone.
- Contact your regional SIEMENS partner for more information.



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