



**FLAMEPROOF®**

**ENGINEERING Pty Ltd**

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## FJB211DOL

Explosion-proof Motor Starters

High-Performance Series

0.1A to 45A (22 kW) – 240 – 415 – 690 V

The FJB211DOL Direct On-Line Motor Starters are provided with a range of features to cover all possible requirements for Hazardous Area application:

- Ex d IIB+H2: suitable for most gas types including Hydrogen (excl. Acetylene)
- Ex t IIIC: suitable for all dust types including conductive dusts
- Extended operating ambient temperature range
- Protected against water jets and temporary submersion (IP66/IP67)
- 2x M20 and 2x M25 plugged cable entries in the bottom side
- Metric entries have precision spot-face for gland sealing
- Extended Stop pushbutton (option –A) or
- Padlockable Emergency Stop (option –B)
- 2.5, 7.5, 11, 15 and 22 kW ratings at 415V
- Wide 5:1 trip current adjustment range
- Direct motor current measurement based protection, unaffected by ambient temperature. Thermal memory models the heating and cooling periods of the motor. Enhanced phase-loss protection trips in typically 3 seconds on phase loss.
- Selectable trip class (10, 15, 20 or 30) caters for high start-up motor currents
- Manual Reset in conformity to AS2381.1 and IEC 60079-14
- Thermistor protection relay (option –PT) for onerous duty with long start-up time
- Ground Fault relay (option –GF)
- Connection to optional external START/STOP or limit switches or float switches provided as standard to internal terminal strip. Just connect the external (Ex d or Ex e) switches to the terminal strip and these will operate the motor in the same way the pushbuttons on the front do.



Models normally available ex-stock:

FJB211DOL2.5	Trip adjustment range 1-5A (0.35-2.5kW @415V)
FJB211DOL7.5	Trip adjustment range 3.2-16A (1.5-7.5kW @415V)
FJB211DOL11	Trip adjustment range 5.4-27A (3-15kW @415V)
FJB211DOL15	Trip adjustment range 5.4-27A (3-15kW @415V)
FJB211DOL22	Trip adjustment range 9-45A (4.5-25kW @415V)

Options for all models:

-A	Standard extended red STOP button
-B	Emergency Stop latched pushbutton, padlockable.
-PT	PTC protection relay, up to 6 thermistors, senses actual direct motor winding temperature. Required for motors subject to arduous service (long start-up) esp. Ex e.
-GF	Ground Fault Protection Module. Required if motor is connected via plug and socket arrangement.

Star-Delta Motor Starters and Disconnect switches suitable for higher current up to 3200A are available in the FJB series enclosures.

Flameproof Engineering contacts:

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