

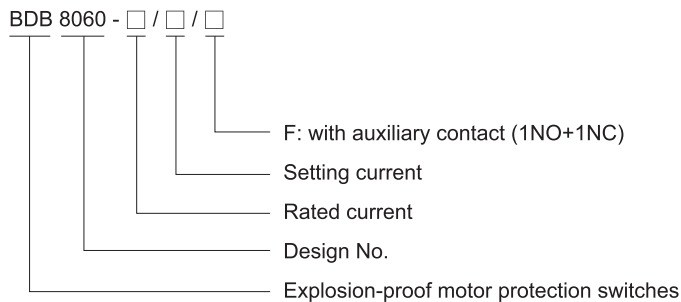
## Components for Distribution Boxes

### BDB8060 Series Explosion-proof Motor Protection Switches



- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Class I, Zone 1 and Zone 2
  - Class I, Division 2, Groups A, B, C, D
- ◆ Product of flame-proof structure; the cavity is of engineering plastic embedded with high strength metal frame structure; with strong corrosion-proof capacity and reliable performance;
- ◆ Built-in MOELLER motor protection switch has functions of current trip and short circuit trip, etc.
- ◆ This product is suitable to be used together with our BJL8060 series explosion-proof AC contactor.

#### Catalogue number logic



#### Technical data

##### Explosion-proof motor protection switches BDB8060 - □ / □ / □

Explosion protection	⊕ II 2 G Ex d e IIC Gb
Certificates	ATEX and IECEx (applied for); PCEC (China)
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7 IEC 60079-0, IEC 60079-1, IEC 60079-7
Enclosure material	GRP (glass fibre-reinforced polyester resin, embedded with metal frame)
Rated voltage	415V AC
Rated current	0.16A, 0.25A, 0.4A, 0.63A, 1A, 1.6A, 2.5A, 4A, 6.3A, 10A, 16A, 20A, 25A
Usage type	AC-3
Auxiliary contact	1NO+1NC
Ambient temperature	-20°C~+70°C

## Zones 1&2

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#### Selection table

Version	Rated continuous current (A)	Maximum power to control 3-phase motors (kW)	Range of setting current overload trip (A)	Rated breaking capacity (kA)	Schematic diagram	Auxiliary contact
BDB8060 - 0.16/□/□	0.16	-	0.1~0.16	65		1NO+1NC
BDB8060 - 0.25/□/□	0.25	0.06	0.16~0.25	65		
BDB8060 - 0.4/□/□	0.4	0.09	0.25~0.4	65		
BDB8060 - 0.63/□/□	0.63	0.12	0.4~0.63	65		
BDB8060 - 1/□/□	1	0.25	0.63~1	65		
BDB8060 - 1.6/□/□	1.6	0.55	1~1.6	65		
BDB8060 - 2.5/□/□	2.5	0.75	1.6~2.5	65		
BDB8060 - 4/□/□	4	1.5	2.5~4	16		
BDB8060 - 6.3/□/□	6.3	2.2	4~6.3	16		
BDB8060 - 10/□/□	10	4	6.3~10	16		
BDB8060 - 16/□/□	16	7.5	10~16	16		
BDB8060 - 20/□/□	20	9	16~20	12		
BDB8060 - 25/□/□	25	12.5	20~25	12		

Note: please specify the overload trip setting value when ordering.

#### Dimension drawings (all dimensions in mm) - subject to alteration

