



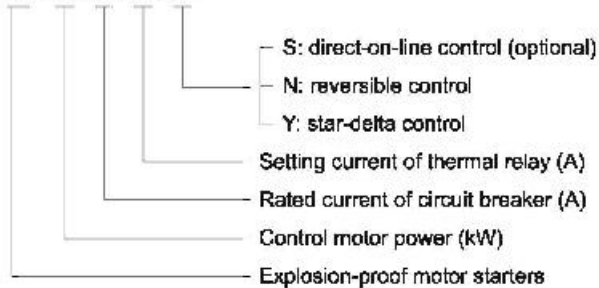
Standard Motor Starters

BQD Series Explosion-proof Motor Starters

- ◆ Explosion protection to
 - GENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups C, D
 - Class I, Division 2, Groups A, B, C, D
- ◆ Classified as IIB or IIC according to different gas atmospheres.
- ◆ Different motor starters.
- ◆ Copper-free aluminium enclosure; powder urface.

■ Catalogue number logic

BQD - □ / □ / □ / □



■ Note

1. Please select the model by catalogue number logic above, and specify all technical data;
2. Please specify explosion-proof mark when ordering;
3. Entry size, entry direction, enclosure material, etc. on request.



Zones 1&2; 21&22

Technical data

Explosion-proof motor starters (direct-on-line control)

BQD-□/□/□

Explosion protection

Gas explosion protection

⊕ II 2 G Ex d IIB T6

Dust explosion protection

Ex tD A21 T80°C IP65

Certificates

For gas explosion protection

LCIE 06 ATEX 6090; IECEx LCI 08.0010

For dust explosion protection

PCEC (China)

Conformity to standards

EN 60078-0:2004, EN 60079-1:2004

IEC 60079-0:2004, IEC 60079-1:2003, IEC 61241-0:2004, IEC 61241-1:2004

Enclosure material

Copper-free aluminium; powder coated surface

Enclosure colour

Window grey (RAL7040)

Exposed fastener

Stainless steel

Components

MCB (mini circuit breaker)

AC contactor

Thermal overload relay

Indicator, pushbutton

Rated voltage

380/400V AC 50/60Hz

Degree of protection

IP65

Ambient temperature

-20°C~+55°C

Cable entries

Standard M□ x 1.5 plug; See Selection Table as below

Cable gland (optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25

Entry direction

Bottom

Selection table

Type	Control motor power (kW)	Rated current of circuit breaker (A)	Adjustable range of setting current of thermal relay (A)	Rated current of contactor (A)	Cable entry size	Enclosure weight (kg)
BQD-4/16/7~10	4	16	7~10, Ie=8.5	9	2 x M25 x 1.5	20.00
BQD-5.5/20/9~13	5.5	20	9~13, Ie=11	12	2 x M25 x 1.5	20.00
BQD-7.5/25/12~18	7.5	25	12~18, Ie=16	18	2 x M32 x 1.5	20.00
BQD-11/32/16~24	11	32	16~24, Ie=23	25	2 x M32 x 1.5	30.00
BQD-15/40/23~32	15	40	23~32, Ie=30	32	2 x M32 x 1.5	30.00
BQD-18.5/50/30~38	18.5	50	30~38, Ie=36	40	2 x M40 x 1.5	30.00
BQD-22/63/37~50	22	63	37~50, Ie=46	50	2 x M40 x 1.5	30.00



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

