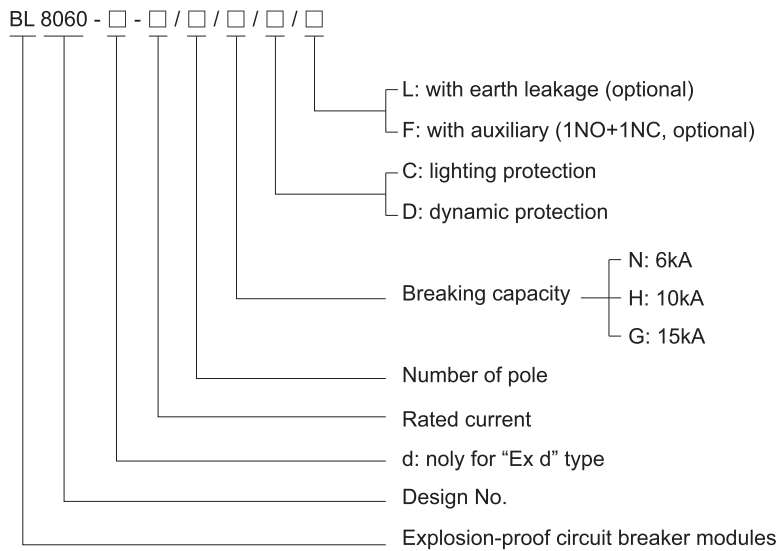


Components for Distribution Boxes BL8060 Series Explosion-proof Circuit Breaker Modules



- ◆ 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 Schneider iC65 series MCB, special operation mechanism internally designed, reliable overall operation.

■ Catalogue number logic



Zones 1&2

Components for Distribution Boxes

BL8060 Series Explosion-proof Circuit Breaker Modules

Technical data							
Explosion-proof circuit breaker modules BL8060 - □ / □ / □ / □ / □ (≤ 63A)							
Explosion protection	Ⓔ II 2 G Ex d e IIC Gb						
Certificates	EUT 14 ATEX 1301U; IECEX CQM 14.0031U						
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	Max.690V AC						
Rated current	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A						
Rated residual operating current	30mA, 300mA, 300mA [Ⓔ] [Ⓔ] :Under-voltage tripping(instant)						
Rated residual current characteristics	AC, A						
Mechanical life	20000 times						
Auxiliary contact	1NO+1NC (indicating contact in OF state)						
Number of pole	1P, 2P, 3P, 4P, 1PL, 2PL						
Ambient temperature	-20°C~+70°C						
Breaking capacity	Ph.-Ph. (2P, 3P, 4P)	12~133V	220~240V	380~415V	440V	Use breaking capacity	
	Ph.-N (1P, 1P+N)	12~60V	100~133V	220~240V	-		
	Rated current	1~4A	50kA	50kA	50kA	25kA	100%Icu
		6~63A	36kA	20kA	10kA	6kA	75%Icu

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

BL8060-□/1/□/□/□ BL8060-□/2/□/□/□F BL8060-□/3/□/□/□F
 BL8060-□/1/□/□/□F BL8060-□/3/□/□/□ BL8060-□/4/□/□/□
 BL8060-□/2/□/□/□ BL8060-□/4/□/□/□F

BL8060-□/1/□/□/□L BL8060-□/2/□/□/□L



Components for Distribution Boxes BL8060 Series Explosion-proof Circuit Breaker Modules



Selection table					
Version	Rated voltage (V)	Rated current (A)	Rated residual operating current (mA)	Auxiliary contact	Schematic diagram
BL8060-□/1/□/□/□	230/440/690	1, 2, 4, 6, 10 16, 20, 25, 32 40, 50, 63	/	/	
BL8060-□/1/□/□/□/□/□/□/□	230/440/690		/	Indicating contact in OF state	
BL8060-□/1/□/□/□/□/□/□/□	230/440/690	40, 63	30	/	
BL8060-□/2/□/□/□/□	230/440/690	1, 2, 4, 6, 10 16, 20, 25, 32 40, 50, 63	/	/	
BL8060-□/2/□/□/□/□/□/□/□	230/440/690		/	Indicating contact in OF state	
BL8060-□/2/□/□/□/□/□/□/□/□	230/440/690	40	30	/	
			300	/	
			300 [S]	/	
		63	30	/	
			300	/	
			300 [S]	/	
BL8060-□/3/□/□/□/□	230/440/690	1, 2, 4, 6, 10 16, 20, 25, 32 40, 50, 63	/	/	
BL8060-□/3/□/□/□/□/□/□/□	230/440/690		/	Indicating contact in OF state	
BL8060-□/4/□/□/□/□	230/440/690		/	/	
BL8060-□/4/□/□/□/□/□/□/□	230/440/690		/	Indicating contact in OF state	

Components for Distribution Boxes

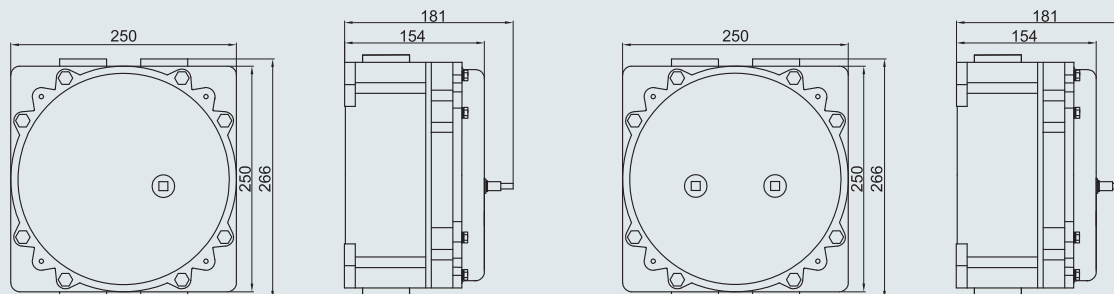
BL8060 Series Explosion-proof Circuit Breaker Modules

Technical data

Explosion-proof circuit breaker modules BL8060-d - □ / □ / □ / □ / □

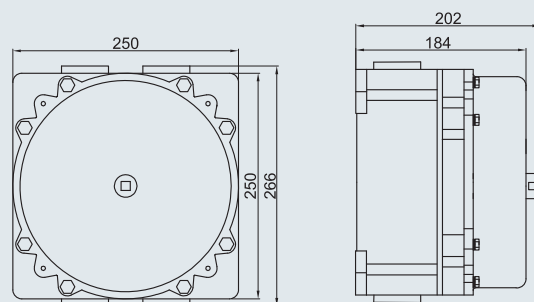
Explosion protection	⊕ II 2 G Ex db IIC Gb																							
Certificates	EPT 15 ATEX 2252U; IECEX CQM 15.0016U																							
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7 IEC 60079-0, IEC 60079-1, IEC 60079-7																							
Enclosure material	Copper-free aluminium, powder coated surface																							
Rated voltage	Max.690V AC																							
Rated current	Max.160A																							
Rated residual operating current	30mA, 300mA, 300mA \square \square :Under-voltage tripping(instant)																							
Rated residual current characteristics	AC, A																							
Mechanical life	20000 times																							
Auxiliary contact	1NO+1NC(Indicating contact in OF state)																							
Number of pole	1P, 2P, 3P, 4P 1PL, 2PL, 3PL, 4PL (\leq 63A)																							
Ambient temperature	-20°C~+70°C																							
Breaking capacity	<table border="1"> <thead> <tr> <th></th> <th>Ph.-Ph. (3P, 4P)</th> <th>220~230V</th> <th>380~415V</th> <th>440V</th> <th>500V</th> <th>690V</th> <th>Use breaking capacity</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Rated current</td> <td>63A</td> <td>20kA</td> <td>10kA</td> <td>6kA</td> <td>-</td> <td>-</td> <td>75%Icu</td> </tr> <tr> <td>80~160A</td> <td>120kA</td> <td>85kA</td> <td>75kA</td> <td>50kA</td> <td>10kA</td> <td>100%Icu</td> </tr> </tbody> </table>		Ph.-Ph. (3P, 4P)	220~230V	380~415V	440V	500V	690V	Use breaking capacity	Rated current	63A	20kA	10kA	6kA	-	-	75%Icu	80~160A	120kA	85kA	75kA	50kA	10kA	100%Icu
	Ph.-Ph. (3P, 4P)	220~230V	380~415V	440V	500V	690V	Use breaking capacity																	
Rated current	63A	20kA	10kA	6kA	-	-	75%Icu																	
	80~160A	120kA	85kA	75kA	50kA	10kA	100%Icu																	

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



BL8060-d-□/1/□/□/□/□/□/□/□/□/□/□/□
BL8060-d-□/3/□/□/□/□/□/□/□/□/□/□/□/□
(\leq 63A)

BL8060-d-□/1/□/□/□/□/□/□/□/□/□/□/□/□
BL8060-d-□/1/□/□/□/□/□/□/□/□/□/□/□/□
BL8060-d-□/3/□/□/□/□/□/□/□/□/□/□/□/□
(\leq 63A)



BL8060-d-□/3/□/□/□/□/□/□/□/□/□/□/□/□
BL8060-d-□/4/□/□/□/□/□/□/□/□/□/□/□/□
(80A~160A)

