

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

BL8060 - □ / □ / □ / □ / □ / □ / □ / □

LT: ambient temperature: -40℃~+70℃, or blank: -20℃~+70℃

F: auxiliary contacts module, or blank

L: residual current module, or blank

Function, C: Lighting protection, D: Power Supply Protection, G: Disconnecter

Interruption capability, N: 6kA, H: 10kA, L: 15kA, L1: 25kA or blank

Pole number

Rated current

Explosion-proof circuit breaker modules and Design No.

BL8060-d / □ / □ / □ / □ / □ / □ / □

F: auxiliary contacts module, or blank

L: residual current module, or blank

Function, C: Lighting protection, D: Power Supply Protection, G: Disconnecter

Breaking capability, B: 16kA, B1: 18kA, C: 25kA, H: 10kA(MCB), H1: 70kA,

H2: 100kA, L: 15kA(MCB), L1: 120kA, N: 6kA(MCB), N1: 36kA, S: 50kA, V: 150kA

Pole number

Rated current

Explosion-proof circuit breaker modules and Design No.

Zones 1&2

Components for Distribution Boxes

BL8060 Series Explosion-proof Circuit Breaker Modules

Technical data

Explosion-proof circuit breaker modules BL8060-□/□/□/□/□(≤63A)(-20℃~+70℃)

Explosion protection

Global (IECEx)

IECEx CQM 14.0031U

Gas

Ex db eb IIC Gb

Europe (ATEX)

EUT 14 ATEX 1301U

Gas

Ⓔ II 2 G Ex db eb IIC Gb

Certificates

IECEx; ATEX

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)

Rated voltage

Max.690V AC 50/60Hz, Max. 500V DC

Rated current

1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

Rated residual operating current

30mA, 300mA, 300mA[S] [S]:Under-voltage tripping(instant)

Rated residual current characteristics

AC, A

Mechanical life

20000 times

Auxiliary contact

1NO+1NC (indicating contact in OFF state)

Number of pole

1P, 2P, 3P, 4P, 1PL, 2PL

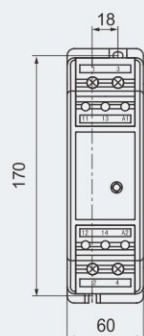
Ambient temperature

-20℃~+70℃

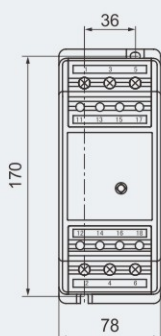
Breaking capacity

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	6kA、10kA、22kA			100%Icu
	6~63A				75%Icu

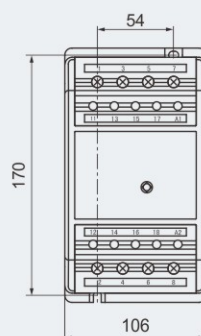
Dimension drawings (all dimensions in mm) - subject to alteration



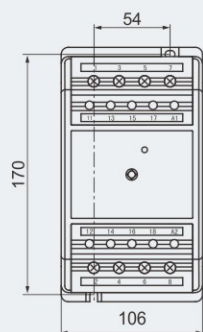
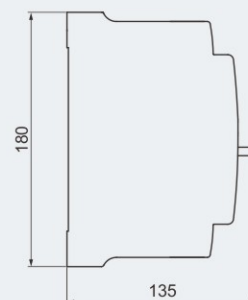
BL8060-□/1/□/□/□
BL8060-□/1/□/□/□/□
BL8060-□/2/□/□/□



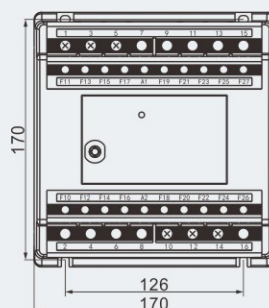
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BL8060-□/3/□/□/□



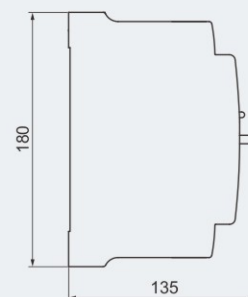
BL8060-□/3/□/□/□/□
BL8060-□/4/□/□/□
BL8060-□/4/□/□/□/□



BL8060-□/2/□/□/□/□



BL8060-□/3/□/□/□/□
BL8060-□/4/□/□/□



Components for Distribution Boxes

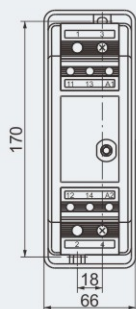
BL8060 Series Explosion-proof Circuit Breaker Modules

Technical data

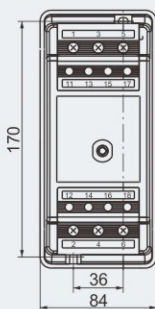
Explosion-proof circuit breaker modules BL8060-□/□/□/□/□/LT(≤63A)(-40℃~+70℃)

Explosion protection	IECEx CQM 14.0031U					
Global (IECEx)	Ex db eb IIC Gb					
Gas	EUT 14 ATEX 1301U					
Europe (ATEX)	Ⓔ II 2 G Ex db eb IIC Gb					
Gas	IECEx; ATEX					
Certificates	EN 60079-0, EN 60079-1, EN 60079-7					
Conformity to standards	IEC 60079-0, IEC 60079-1, IEC 60079-7					
Enclosure material	GRP (glass fibre-reinforced polyester resin)					
Rated voltage	Max.690V AC 50/60Hz, Max. 500V DC					
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 OFF state)					
Number of pole	1P, 2P, 3P, 4P, 1PL, 2PL					
Ambient temperature	-40℃~+70℃					
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	6kA、10kA、22kA			100%Icu
		6~63A				75%Icu

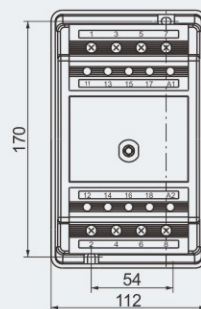
Dimension drawings (all dimensions in mm) - subject to alteration



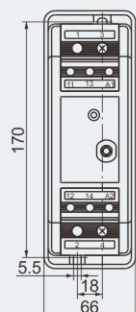
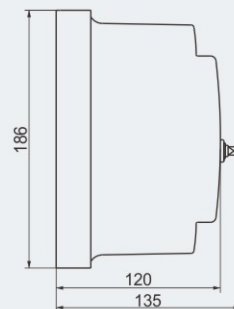
BL8060-□/1/□/□/LT
BL8060-□/2/□/□/LT
BL8060-□/1/□/□/FLT



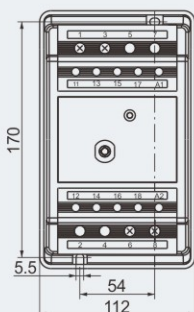
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BL8060-□/2/□/□/FT



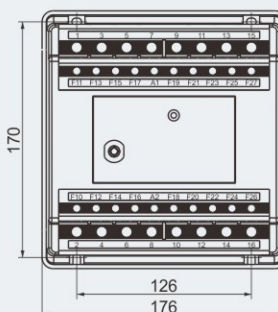
BL8060-□/4/□/□/LT
BL8060-□/3/□/□/FT
BL8060-□/4/□/□/FT



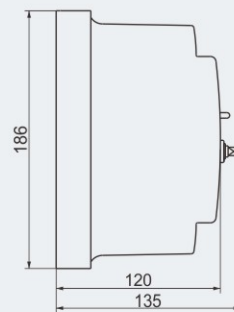
BL8060-□/2/□/□/ L/LT



BL8060-□/2/□/□/ L/LT
BL8060-□/2/□/□/ L/F/LT



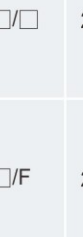
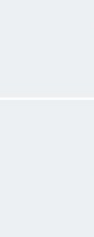
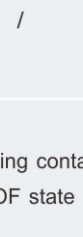
BL8060-□/3/□/□/□/□/□/□
BL8060-□/4/□/□/□/□/□/□
BL8060-□/3/□/□/□/□/□/□
BL8060-□/4/□/□/□/□/□/□



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/□/□/ F	230/440/690		/	Indicating contact in OF state	
BL8060-□/2/□/□/□	230/440/690	1, 2, 4, 6, 10 16, 20, 25, 32 40, 50, 63	/	/	
BL8060-□/2/□/□/ F	230/440/690		/	Indicating contact in OF state	
BL8060-□/2/□/□/ L	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/□/□/ F	230/440/690		/	Indicating contact in OF state	
BL8060-□/4/□/□/□	230/440/690		/	/	
BL8060-□/4/□/□/ F	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

Global (IECEX)

Gas

Europe (ATEX)

Gas

Certificates

Conformity to standards

Enclosure material

Rated voltage

Rated current

Rated residual operating current

Rated residual current characteristics

Mechanical life

Auxiliary contact

Number of pole

Ambient temperature

Breaking capacity

IECEX CQM 15.0016U

Ex db IIC Gb

TÜV CY 22 ATEX 0206668U

Ex II 2 G Ex db IIC Gb

IECEX; ATEX

EN 60079-0, EN 60079-1

IEC 60079-0, IEC 60079-1

Copper-free Aluminium Alloy, powder coated surface

Max. 690V AC, Max. 500V DC

Max. 250A

30mA, 300mA, 300mA^⑤ ^⑤: Under-voltage tripping(instant)

AC, A

20000 times

1NO+1NC(Indicating contact in OFF state)

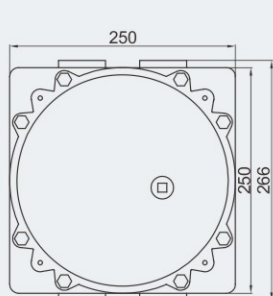
1P, 2P, 3P, 4P

1PL, 2PL, 3PL, 4PL (≤ 63A)

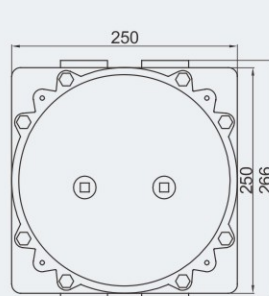
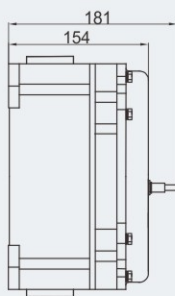
-40°C~+70°C

Rated current	Ph.-Ph. (3P, 4P)	220~230V	380~415V	440V	500V	690V	Use breaking capacity
	63A	20kA	10kA	6kA	-	-	75%Icu
	80~160A	36kA					100%Icu
	100~250A	-					50kA

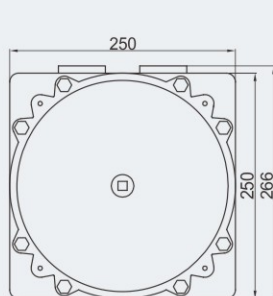
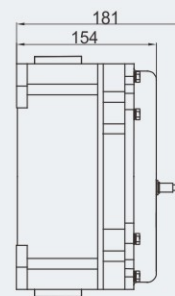
Dimension drawings (all dimensions in mm) - subject to alteration



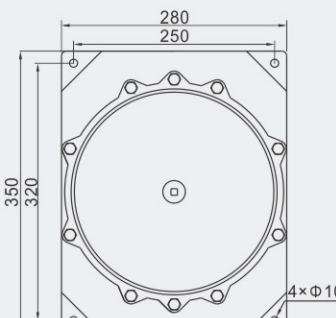
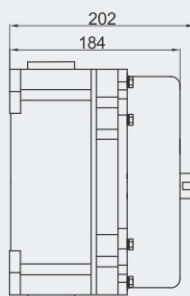
BL8060-d-□/1/□/□/□/□
BL8060-d-□/3/□/□/□/□
(≤ 63A)



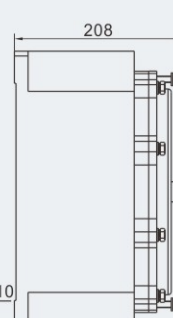
BL8060-d-□/2/□/□/□/□
BL8060-d-□/1/□/□/□/□
BL8060-d-□/3/□/□/□/□
(≤ 63A)



BL8060-d-□/3/□/□/□/□
(80A~160A)



BL8060-d-□/4/□/□/□/□
(100A~250A)



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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-d-□/3/□/□/□	230/440/690	63, 80, 100, 125, 160, 250	/	/	
BL8060-d-□/3/□/□/ F	230/440/690		/	Indicating contact in OF state	
BL8060-d-□/3/□/□/ L	230/440/690	63	30	/	
			300		
			300		
BL8060-d-□/4/□/□/□	230/440/690	63, 80, 100, 125, 160, 250	/	/	
BL8060-d-□/4/□/□/ F	230/440/690		/	Indicating contact in OF state	
BL8060-d-□/4/□/□/ L	230/440/690	63	30	/	
			300	/	
			300	/	