

MODULAR PRODUCTS

MINIATURE CIRCUIT BREAKERS 6kA 1, 2, 3 pole

Functions:

- protection of circuits against from current of overloading
- protection of circuits against short circuits
- separation
- 1P+N is 1 module, and protects only the phasis
- "B", "C" characteristic
- 6 kA
- 1, 2, 3 module, DIN rail mounted

Properties

The "B" characteristic:

- Used to protect for personals, long wires, generators
- Nominal power: 1-63A, on 30°C
- Release characteristic: $I_m = 3-5 I_n$
- The release works between 3 and 5 I_n .

The "C" characteristic:

- Used to protect for general customer, motors
- Nominal power: 1-63A, on 30°C
- Release characteristic: $I_m = 5-10 I_n$
- The release works between 5 and 10 I_n .

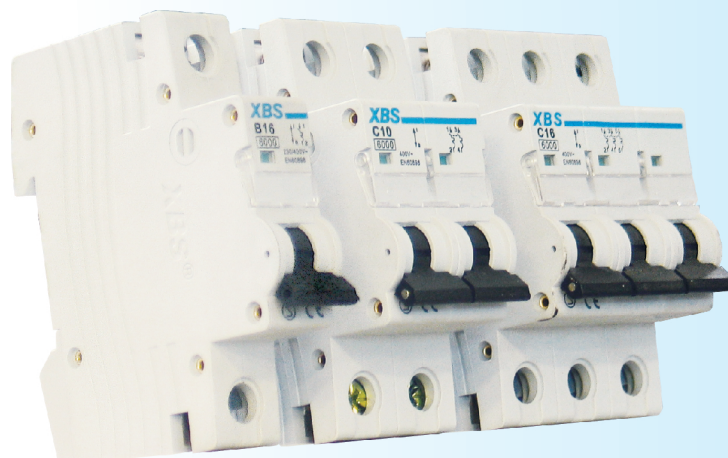
Nominal current intensity in the function of pole numbers:

1P: 1,2,4,6,10,16,20,25,32,40,50 and 63A in "B", "C" characteristics,

1P+N: 1,2,4,6,10,16,20,25,32 in "C" characteristics,

2P: 1,2,4,6,10,16,20,25,32,40,50 and 63A in "B", "C" characteristics,

3P: 1,2,4,6,10,16,20,25,32,40,50 and 63A in "B", "C" characteristics.



Technical parameters

Rated voltage:	230/400V AC
Rated frequency:	50-60 Hz
Tripping characteristics:	B, C, characteristics
Rated current (A):	1-63
Pole No.:	1, 1+N, 2, 3

Miniature circuit breaker

Rated current (A)	Pole No.	Voltage (V)	Breaking capacity (A)
1-63	1P	230	6000
1-32	1P+N	230	3000
1-40	2P, 3P	230/400	6000
50, 63	2P, 3P	230/400	4500

Max. cable size:

≤25A stiff/ flexible

25/ mm²

32-63A stiff/flexible

35/25 mm²

Connection:

stirrup clamp

Mounting:

EN 50022 DIN rail

Dimensions:

1P	17,8x65,8x77,5 mm
1P+N	17,8x65,8x77,5 mm
2P	35,6x65,8x77,5 mm
3P	53, 4x65,8x77,5 mm

④ Sealable in ON and OFF position!

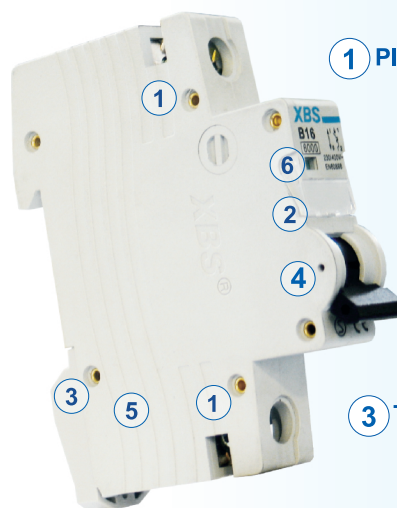
⑤ Heatsink for cooling

⑥ Status indicator

① Plus riveting for better shape-poise

② Label holder

③ The most stable rail fixing ever



MINIATURE CIRCUIT BREAKERS 10kA 3, 4 pole

Functions:

- protection of circuits against current of overloading
- protection of circuits against short circuits
- separation
- "B", "C" characteristics
- 10kA
- 3, 4 modules, DIN rail mounted

Technical parameters

Miniature circuit breaker

Rated voltage:	230/400V AC
Rated frequency:	50-60 Hz
Tripping characteristics:	B, C characteristics
Rated current (A):	63, 80, 100A
Pole No.:	3, 4

Rated current (A)	Pole No.	Voltage (V)	Breaking capacity (A)
63	4P	400	10000
80	3, 4P	400	10000
100	3, 4P	400	10000

Properties

The "B" characteristic:

- Used to protect for personals, long wires, generators
- Nominal power: 63-100A, on 30°C
- Release characteristic: $I_m=3-5 I_n$
- The release works between 3 and 5 I_n .

The "C" characteristic:

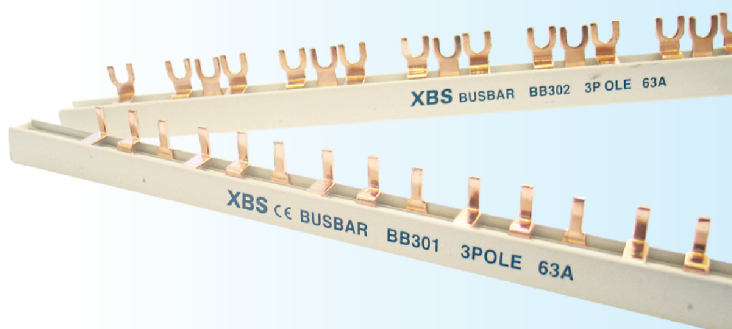
- Used to protect for general customer, motors
- Nominal power: 63-100A, on 30°C
- Release characteristic: $I_m=5-10 I_n$
- The release works between 5 and 10 I_n .



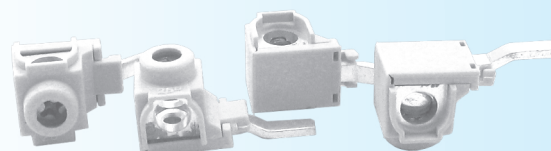
BUSBARS and TERMINAL STRIPS for MINIATURE CIRCUIT BREAKERS

Easy to connect the input and output wires with busbars to the device

XBS BB1PF	1 pol U-type	63A	1m
XBS BB1PS	1 pol U-type	63A	1m
XBS BB3PF	3 pol U-type	63A	1m
XBS BB3PS	3 pol U-type	63A	1m



	Rated current (A)	Poles	Diameter (mm ²)	Length (mm)
For single pole forked rail	63	56x1	16	1000
For single pole spiky rail	63	56x1	16	1000
For 3 pole forked rail	63	18x3	16	1000
For 3 pole spiky rail	63	18x3	16	1000
Terminal strips 1 pole	63	-	16	-



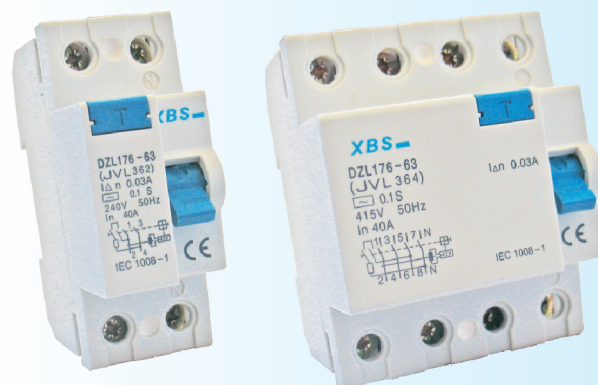
RESIDUAL CURRENT CIRCUIT BREAKER 2, 4 pole

Properties

On the front panel of the XBS residual current circuit breaker is a test button. With that button you can check the working status of the device. You can restart the device by switching the lever into I-ON position.

Properties of the XBS residual current circuit breakers:

- Automatic breaking the electric circuit between the phase and earth, if the short circuit is bigger than 30, 100, 300mA
- Dual purpose box terminals for busbar and wire connection
- Breaking capacity: 4,5kA
- DIN rail mounted



Technical parameters	2P 10, 30, 100, 300mA	4P 30,100, 300mA
Number of poles:	2	4
Rated current:	25, 40A	25, 40, 63 and 100A
Rated fault current:	10, 30, 100, 300mA	30, 100, 300, 500mA
Breaking capacity:	4,5kA	4,5kA
Surge strength:	250A (8/20)	250A (8/20)
Sensitivity:	AC	AC
Rated voltage:	230V AC	230 / 400 V AC
Rated frequency:	50 / 60 Hz	50 / 60 Hz
Box:	grey, RAL 7035	grey, RAL 7035
Degree of protection:	IP20, in case IP40	IP20, in case IP40
Operating position:	any	any
Terminals:	open stirrup terminals, busbar	
Mounting:	according to EN 50022 standard 35mm DIN rail	
Max. cross section:	25 mm ²	25 mm ²
Service life:	2000 switches at In	2000 switches at In

RESIDUAL CURRENT CIRCUIT BREAKER WITH MINIATURE CIRCUIT BREAKER

XBS RCD+MCB

Properties of the XBS residual current circuit breaker:

- Automatic breaking the electric circuit between the phase and earth, if the short circuit is bigger than 30mA
- Dual purpose box terminals for wire connection
- Breaking capacity: 4,5kA
- 1 MODULE, DIN rail mounted

Technical parameters	2P 30mA
Number of poles:	2
Rated current:	C6, C10, C16, C20, C25, C32 A
Rated fault current:	30mA
Breaking capacity:	4,5kA
Sensitivity:	AC
Rated voltage:	230V AC
Rated frequency:	50 / 60 Hz
Degree of protection:	IP20, in case IP40
Mounting:	according to EN 50022 standard 35mm DIN rail
Max. wire cross section:	6 mm ²



RESIDUAL CURRENT CIRCUIT BREAKER FOR SOCKET-OUTLET

XBS MBFI

Characteristics of the XBS residual current circuit breaker:

- Automatic breaking the electric circuit between the phase and earth, if the short circuit is bigger than 30mA
- controlling

Technical parameters	2P 30mA
Number of poles:	2
Rated current:	16A
Rated fault current:	30mA
Breaking capacity:	3kA
Sensitivity:	AC / DC
Rated voltage:	230V AC
Nominal frequency:	50 / 60 Hz
Minimal temperature:	-25°C
Mounting:	for earthed socket-outlet (schuko system)

