

# Miniature Circuit Breakers C10



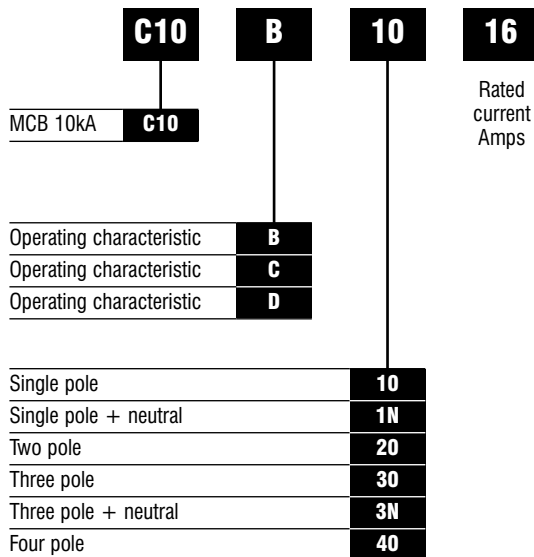
The IMO range of miniature circuit breakers have been designed for protection of electrical installations against overload and short circuits and are manufactured in accordance with EN60898.

Tripping characteristics in accordance with B, C and D type curves

- Curve B: 3-5  $I_n$
- Curve C: 5-10  $I_n$
- Curve D: 10-20  $I_n$



## Options and ordering codes



## Selection chart

Available types  10kA  6kA

Type	B operating characteristics						C operating characteristics						D operating characteristics						
	1	1+N	2	3	3+N	4	1	1+N	2	3	3+N	4	1	1+N	2	3	3+N	4	
Rated current Amps	0.5																		
	1																		
	1.6																		
	2																		
	4																		
	6																		
	10																		
	13																		
	16																		
	20																		
	25																		
	32																		
	40																		
	50																		
63																			
Weight (g)	112	227	227	345	459	459	112	227	227	345	459	459	112	227	227	345	459	459	
Packing (pc)	12	6	6	4	3	3	12	6	6	4	3	3	12	6	6	4	3	3	

## Specification

- Rated voltage: 230V/400V AC, Max. 60VDC
- Frequency: 50/60Hz
- In accordance with: EN60898, EN60947-2, UNE20317
- Terminal capacity: 1 to 25mm<sup>2</sup>
- Breaking capacity as per IEC60898: 10kA, 6kA 50 & 63A
- Breaking capacity applying IEC60947-2: up to 15kA
- Mounting: on Rail EN60715 (EN50022)

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## Accessories

### Auxiliary Switch C10-A-0011

Rated voltage	230V
Rated current	6A
Frequency	50 / 60 Hz
Terminal capacity	1-4 mm <sup>2</sup>
Standards	EN 62019, EN 60947-5-1

**Auxiliary contact:** for monitoring the status of the protection device (open/closed)

**Signal or auxiliary contact:** for signalling the automatic tripping of the protection device (overload or short-circuit for Mcb's)

Description	Ref
INO+INC	C10-A-0011

### Shunt trip C10-ST-...

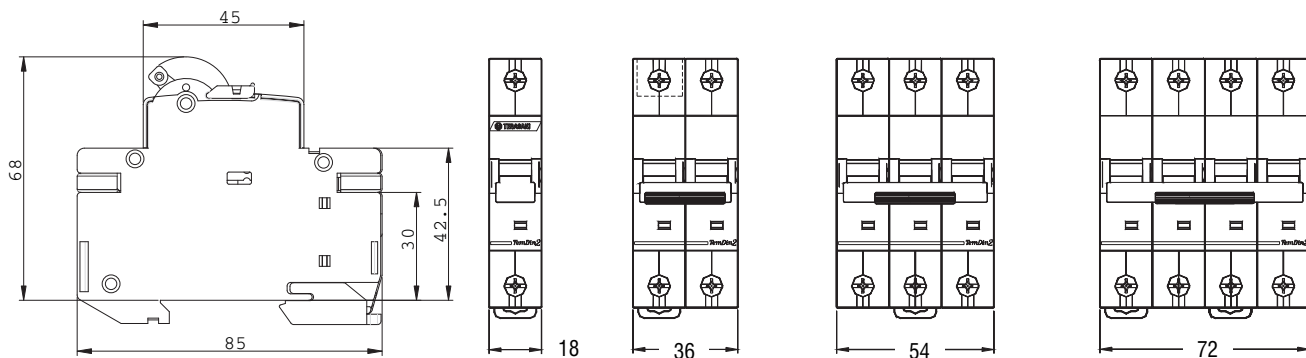
Rated voltage	110-415VAC
Frequency	50 / 60 Hz
Maximum inrush current	3.6A
Terminal capacity	1-4 mm <sup>2</sup>

The C10-ST... makes it possible to trip remotely any Mcb's through push-buttons or other similar devices. The unit can be fitted on the left side of the Mcb's or Rcd's with up to 3 modules (AUX/AL, Undervoltage release C10-ST... and Shunt trip C10-ST-...)

Description	Ref.
Shunt trip 48 VDC	C10-ST-48
Shunt trip 230 VAC	C10-ST-230

## Dimensions mm

### Miniature Circuit Breakers C10



### Undervoltage release C10-U-...

Rated voltage	48VDC 230VAC
Frequency	50 / 60 Hz
Calibration temperature	30°C
Performance	Tripping voltage 0.55Ue (±10%) Resetting voltage >=0.55 Ue (±10%)
Tripping time adjustable	0-300 msec
Terminal capacity	1-4 mm <sup>2</sup>
Standards	EN 60947-1

The C10-U... makes it possible to release the main Mcb if the power supply drops below 45–65% of Ue. The unit can be fitted on the right side of the Mcb's

Description	Ref.
Undervoltage release 48VDC	C10-U-48
Undervoltage release 230VAC	C10-U-230

## Busbars

Description	Ref.
Busbar 1 pole 10 mm <sup>2</sup> 1000 mm	C10-BB10/1-1000
Busbar 1 pole 16 mm <sup>2</sup> 1000 mm	C10-BB16/1-1000
Busbar 3 pole 10 mm <sup>2</sup> 1000 mm	C10-BB10/3-1000
Busbar 3 pole 10 mm <sup>2</sup> 210 mm	C10-BB10/3-210
Busbar 3 pole 16 mm <sup>2</sup> 1000 mm	C10-BB16/3-1000
Busbar 3 pole 16 mm <sup>2</sup> 210 mm	C10-BB16/3-210

### Busbar End Covers

Ref
C10-BB10-EC
C10-BB16-EC

### Locking Device

Ref.
C10-LD

### Terminal Covers

Ref.
C10-TC