

# MINIATURE CIRCUIT BREAKERS



TD3 M06 6kA MCBs

Functions: protection against overloads and short circuits, switching and isolation.

Application: in commercial and industrial electrical distribution systems.

Breaking capacity:  $I_{cn} = 6kA$  to EN 60898.

Certified by KEMA

Voltage:  $U_n$ : 230 -240V AC phase-to-neutral,

400-415V AC phase-to-phase

Pollution degree: 3

Rigid conductor: 25mm<sup>2</sup> maximum

Flexible conductor: 16mm<sup>2</sup> maximum

Dual bottom terminal allows simultaneous connection of busbar and cable



TD3 M10 10kA MCBs

Functions: protection against overloads and short circuits, switching and isolation.

Application: in commercial and industrial electrical distribution systems.

Breaking capacity:  $I_{cn} = 10kA$  to EN60898,

Certified by KEMA  $I_{cu} = 15kA$  to EN 60947-2

Voltage:  $U_n$ : 230 -240V AC phase-to-neutral,

400-415V AC phase-to-phase

Rigid conductor: 35mm<sup>2</sup> maximum

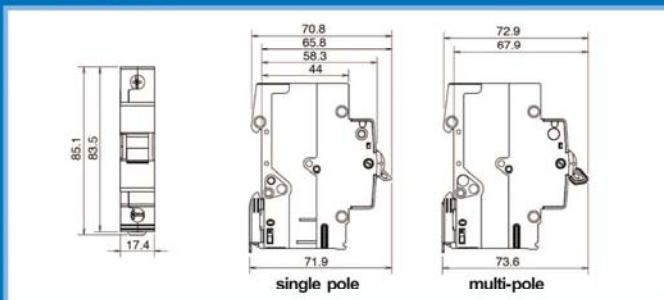
Flexible conductor: 25mm<sup>2</sup> maximum

Dual bottom terminal allows simultaneous connection of busbar and cable

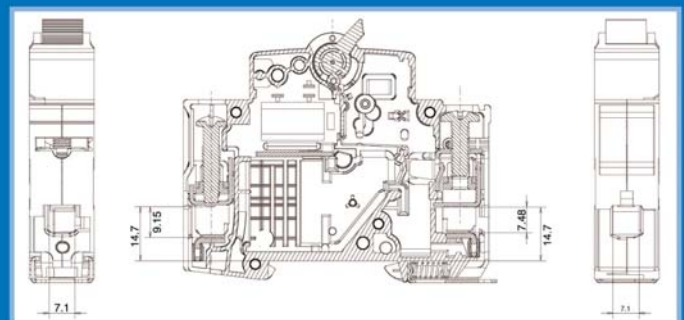
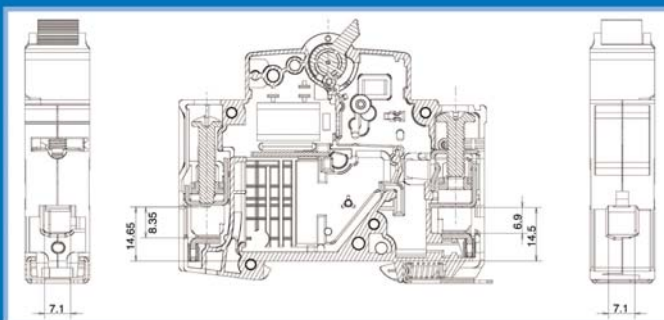
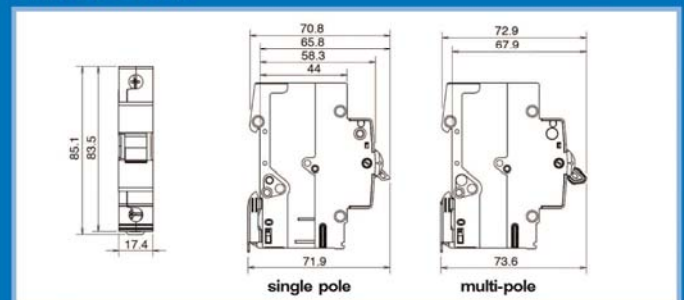
Poles	In (A) at 30°C		
	DIN Modules	B Type	C Type
1P	1	6-63	6-63
1P+N	2		6-63
2P	2	6-63	6-63
3P	3	6-63	6-63
3P+N	4		6-63
4P	4	6-63	6-63

Poles	In (A) at 30°C			
	DIN Modules	B Type	C Type	D type
1P		16-63	2-63	1-63
1P+N	2		6-63	
2P	2	6-63	2-63	1-63
3P	3	6-63	2-63	1-63
3P+N	4		2-63	
4P	4	6-63	2-63	1-63

## DIMENSIONS



## DIMENSIONS





TD31P1M 1 pole + N in 1 module

Functions: protection against overloads and short circuits, switching and isolation.

Application: single phase circuits where neutral must be switched.

Breaking capacity:  $I_{cn} = 6kA$  to EN 60898  
 Voltage:  $U_n: 240V$  AC  
 Pollution degree: 2  
 Rigid conductor: 16mm<sup>2</sup> maximum  
 Flexible conductor: 10mm<sup>2</sup> maximum



TD3 XA MCBs ≤ 125A

Functions: protection against overloads and short circuits, switching and isolation.

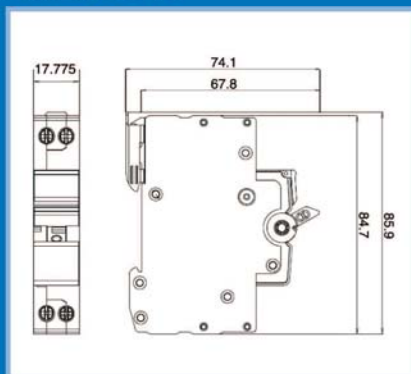
Application: to feed large loads or downstream distribution boards

Breaking capacity:  $I_{cn} = 10kA$  to EN 60898  
 Breaking capacity:  $I_{cu} = 10kA$  to EN 60947-2  
 Voltage:  $U_n, 240V$  AC phase-to-neutral,  
 415V AC phase-to-phase  
 Rigid conductor: 50mm<sup>2</sup> maximum  
 Flexible conductor: 35mm<sup>2</sup> maximum

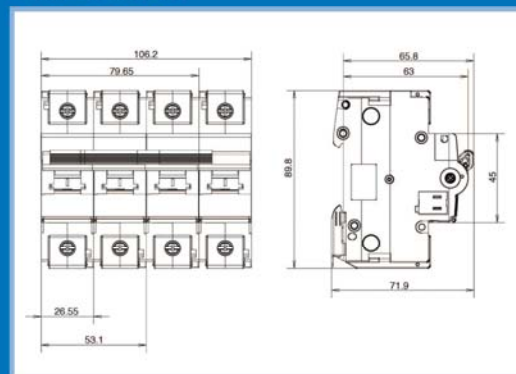
Poles	DIN Modules	In (A) at 30°C	
		B Type	C Type
1P+N	1	6-40	6-40

Poles	DIN Modules	In (A) at 30°C	
		B Type	C Type
1P	1.5	80, 100, 125	80, 100, 125
2P	3	80, 100, 125	80, 100, 125
3P	4.5	80, 100, 125	80, 100, 125
4P	6	80, 100, 125	80, 100, 125

### DIMENSIONS



### DIMENSIONS



# RESIDUAL CURRENT CIRCUIT BREAKERS



**TD3RCCB**

**Function:** detection and interruption of earth leakage current

**Application:** protection from electric shock. Must be combined with an upstream device providing appropriate overload and short-circuit protection for the circuit.

**Standard:** EN 61008-1

**Voltage:** Un: 240V AC phase-to-neutral, 415V AC phase-to-phase

**Residual current breaking capacity:** I<sub>m</sub> = 1500A

**Rigid conductor:** 25mm<sup>2</sup> maximum

**Flexible conductor:** 16mm<sup>2</sup> maximum



**TD3RCBO** Residual current circuit breaker with overload protection

**Function:** detection and interruption of earth leakage current, overloads and short-circuits.

**Application:** commercial premises. Neutral conductor is switched on 2-module versions and unswitched on 1-module versions

**Breaking capacity I<sub>cn</sub>:** 6kA (2P), 10kA (1P) to EN 61009-1

**Voltage:** Un: 240V AC

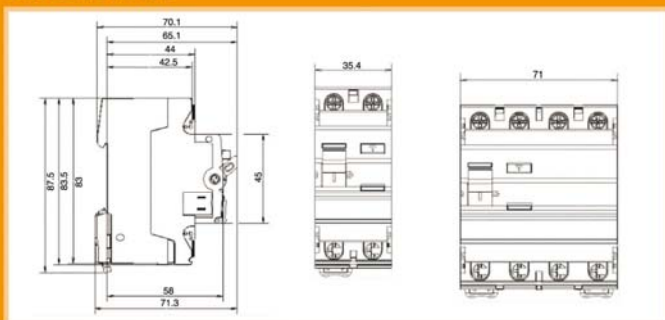
**Rigid conductor:** 16mm<sup>2</sup> maximum (1P), 25mm<sup>2</sup> maximum (2P)

**Flexible conductor:** 10mm<sup>2</sup> maximum (1P), 16mm<sup>2</sup> (2P)

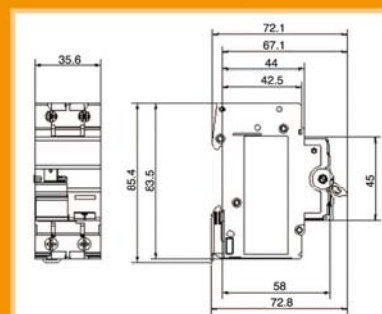
Poles	DIN Modules	I <sub>n</sub> (A) at 30°C	
		30mA	300mA
2P	2	25-63 types AC, A	25-63, type AC
4P	4	25-100 types AC, A	25-100 types AC, A AC-S

DIN Modules	I <sub>n</sub> (A) at 30°C	
	30mA	300mA
1	6-40, types B,C	
2	25-100 types AC, A, AC-S	25-100 types AC, A, AC-S

## DIMENSIONS



## DIMENSIONS



# MODULAR SWITCHES



TD3 MS

Function: switching and isolation of circuits  
 Application: control systems, distribution systems

Standard: EN 60947-3

Class: AC 22

Voltage: Un, 240V AC phase-to-neutral,  
 415V AC phase-to-phase

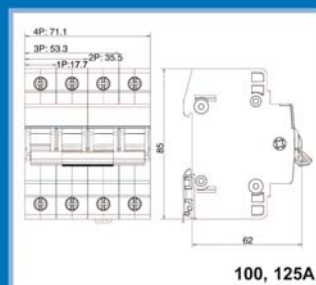
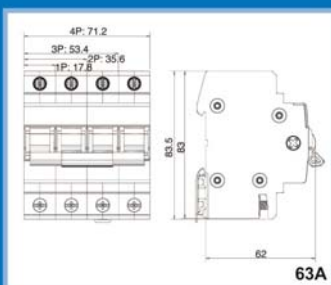
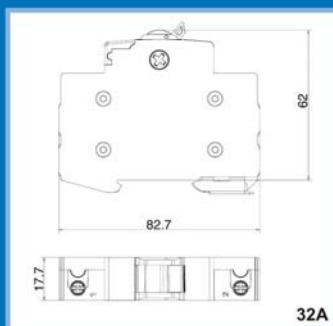
Rigid conductor: 16mm<sup>2</sup> maximum (32A), 25mm<sup>2</sup>  
 maximum (63A), 50mm<sup>2</sup> maximum (100A, 125A)

Flexible conductor: 10mm<sup>2</sup> maximum (32A), 16mm<sup>2</sup>  
 maximum (63A), 35mm<sup>2</sup> maximum (100A, 125A)

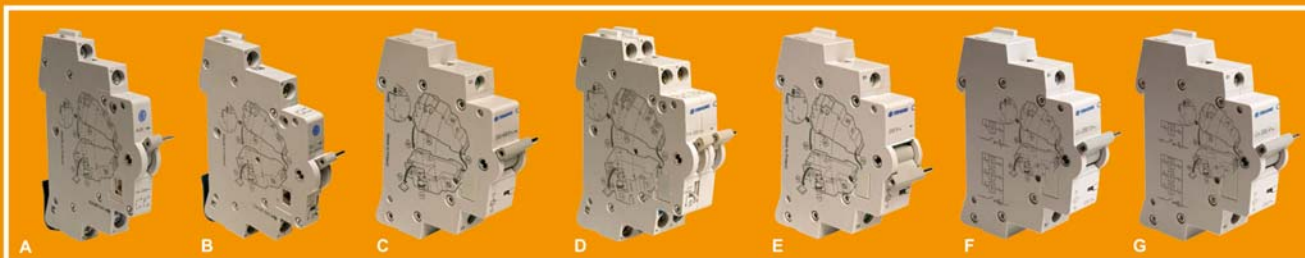
Poles	In (A)
1P	32, 63, 125
2P	63, 125
3P	63, 100*, 125*
4P	63, 100*, 125

\*Available with red toggle

## DIMENSIONS



# ACCESSORIES



## Accessories for TD3 M06, TD3 M10, TD3 XA, TD3RCCB

A Auxiliary contact, 1NO, 1NC. 6A, 230V AC . Not suitable for TD3RCCB

B Alarm contact, 1NO, 1NC. 6A, 230V AC . Not suitable for TD3RCCB

C RCCB switch. Combined auxiliary contact (1NO, 1NC. 6A, 230V AC) + Alarm contact (1NO, 1NC. 6A, 230V AC)

D Shunt trip. RCCB switch (C) must be fitted before fitting the shunt trip to the TD3RCCB

E Undervoltage trip. RCCB switch (C) must be fitted before fitting the undervoltage trip to the TD3RCCB

G Overvoltage trip. Rated voltage,  $U_n$ , 230V AC. Opens the circuit breaker if supply voltage exceeds 280V AC. RCCB switch (C) must be fitted before fitting the overvoltage trip to the TD3RCCB

## Accessory Combinations

TD3 M06, TD3 M10, TD3 XA: auxiliary contact + alarm contact + (shunt trip or undervoltage trip or overvoltage trip)

TD3RCCB: RCCB switch + (shunt trip or undervoltage trip or overvoltage trip)

## Residual Current Block for TD3 M06, TD3 M10

Function: detection and interruption of earth leakage current

Application: Mechanically coupled to miniature circuit breaker

In = 63A maximum			
DIN Modules	30mA	300mA	1000mA
2	2 Types AC, A	Types AC, A	
4	4 Types AC, A	Types AC, A	Types AC A, S



## Padlock

Suitable for locking TD3 M06, TD3 M10, TD3 XA miniature circuit breakers in the open or closed positions. Suitable for locking TD31P1M miniature circuit breakers in the open position only. Accepts two padlocks with hasp diameter up to 4.75mm, or three padlocks with hasp diameter up to 3mm. The miniature circuit breaker may be mounted, or removed from the DIN rail with the padlock in position.

## Handle for TD3 ICP

Rotary handle clips onto TD3 ICP miniature circuit breakers, and operates the device from outside the door.

