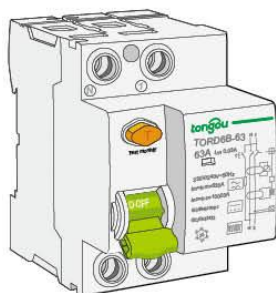


Protection  
Earth leakage protection



## TORD6B-63 Residual Current Circuit Breaker



IEC 61008-1 EN 61008-1  
IEC/EN 62423

- The TORD6B-63 B type residual current circuit breakers provide:
  - Protection of persons against electric shock by direct contact ( $y$  30 mA),
  - Protection of persons against electric shock by indirect contact ( $u$  100 mA),
  - Protection of installations against the risk of fire (300 mA or 500 mA).
- Protection in the event of a continuous earth fault current on networks generated by:
  - Controllers and variable speed drives,
  - Battery chargers and inverters, such as used in photovoltaic application,
  - Backed-up power supplies.
- They include protection against earth fault currents:
  - Sinusoidal AC residual currents (AC type),
  - Pulsed DC residual currents (A type),
  - Multi frequency residual current (F type).
- For applications using 3-poles drives, such as:
  - Crane,
  - Lift,
  - HVAC,
  - Pumping system.

### Main

Product or component type	Residual current circuit breaker(RCCB)
Device application	Electrical vehicle charger, Solar energy system
Poles description	2P
Network type	AC, Pulsing DC, Smooth DC
Earth-leakage sensitivity	30mA, 100mA-300mA
Earth-leakage protection class	Type B

### Complementary

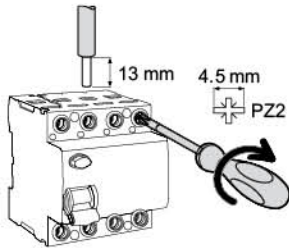
Device location in system	Group incomer
Network frequency	50Hz
Rated breaking and making capacity	$I_m$ 630A $I_{dm}$ 630A
Rated conditional short-circuit current	10kA
[U] rated insulation voltage	250V
[Uimp] rated impulse withstand voltage	6kA
Contact position indicator	Yes
Control type	Toggle
Mounting mode	Clip-on
Mounting support	DIN rail
Colour	White
Mechanical durability	20000 cycles
Electrical durability	15000 cycles
Tightening torque	3.5N.m (top or bottom)

## Environment

Standards	EN 61008-1, IEC 61008-1, IEC/EN 62423
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Operating altitude	2000 m
Ambient air temperature for operation	-25°C to +60°C
Ambient air temperature for storage	-40°C to +85°C

## Connection




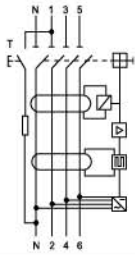
Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule



1 to 25 A	2 N.m	1 to 25 mm <sup>2</sup>	1 to 16 mm <sup>2</sup>
32 to 63 A	2.5 N.m	1 to 35 mm <sup>2</sup>	1 to 25 mm <sup>2</sup>

## Catalogue numbers

TORD6B-63 **RCCB**

Type	B   				Width in 9 mm module
Product					
4P	Sensitivity	30 mA	300 mA	500 mA	
	Rating	25A	TORD6B-63/4/25/003	TORD6B-63/4/25/03	-
	40A	TORD6B-63/4/40/003	TORD6B-63/4/40/03	TORD6B-63/4/40/05	8
	63A	TORD6B-63/4/63/003	TORD6B-63/4/63/03	TORD6B-63/4/63/05	
	80A	TORD6B-63/4/80/003	TORD6B-63/4/80/03	TORD6B-63/4/80/05	
Voltage rating (Ue)	4P	400-415 V			
Operating frequency	50Hz				

## Dimensions (mm)

