

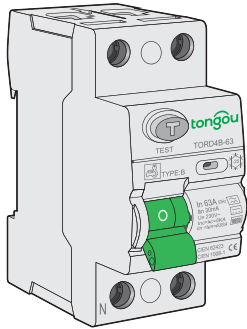
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Protection
Earth leakage protection



TORD4B-63 Residual Current Circuit Breaker



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

- The TORD4B-63 B type residual current circuit breakers provide:
 - Protection of persons against electric shock by direct contact (γ 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

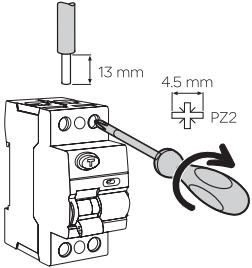
Device location in system	Group incomer
Network frequency	50Hz
Rated breaking and making capacity	Im 630A Idm630A
Rated conditional short-circuit current	6kA
[Ui] rated insulation voltage	250V
[Uimp] rated impulse withstand voltage	6kA
Contact position indicator	Yes
Control type	Toggle
Mounting mode	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



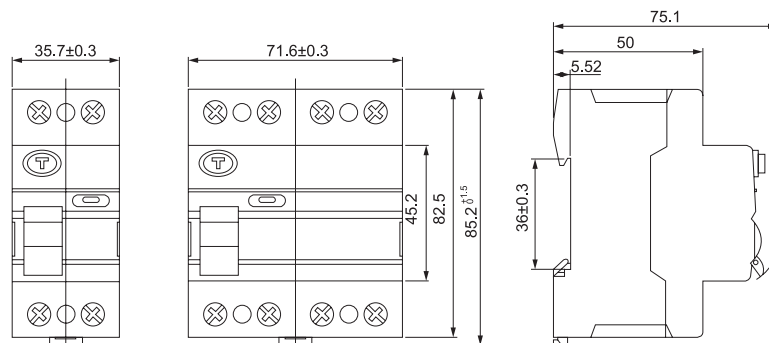
1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Catalogue numbers

TORD4B-63 RCCB

Type Product	B					Width in 9 mm module	
2P	Sensitivity	30 mA	100 mA	300 mA	500 mA	4	
	Rating	25A	TORD4B-63/2/25/003	TORD4B-63/2/25/01	TORD4B-63/2/25/03		-
		40A	TORD4B-63/2/40/003	TORD4B-63/2/40/01	TORD4B-63/2/40/03		-
		63A	TORD4B-63/2/63/003	TORD4B-63/2/63/01	TORD4B-63/2/63/03		-
Voltage rating (Ue)	2P	230-240 V					
Operating frequency		50Hz					

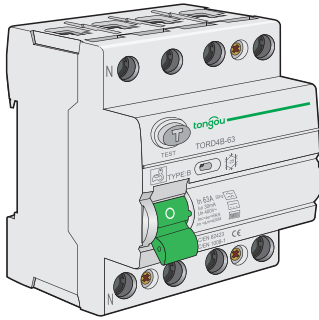
Dimensions (mm)



Protection
Earth leakage protection



TORD4B-63 Residual Current Circuit Breaker



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

- The TORD4B-63 B type residual current circuit breakers provide:
 - Protection of persons against electric shock by direct contact (i_n 30 mA),
 - Protection of persons against electric shock by indirect contact (i_n 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, Pulsating DC, Smooth DC
Earth-leakage sensitivity	30mA, 100mA-300mA
Earth-leakage protection class	Type B

Complementary

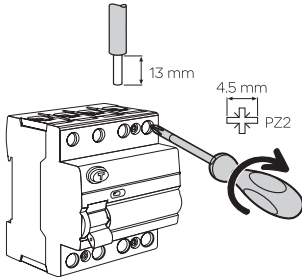
Device location in system	Group incomer
Network frequency	50Hz
Rated breaking and making capacity	Im 630A Idm630A
Rated conditional short-circuit current	6kA
[Ui] rated insulation voltage	250V
[Uimp] rated impulse withstand voltage	6kA
Contact position indicator	Yes
Control type	Toggle
Mounting mode	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





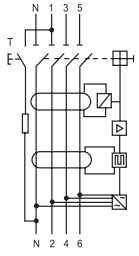
Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule



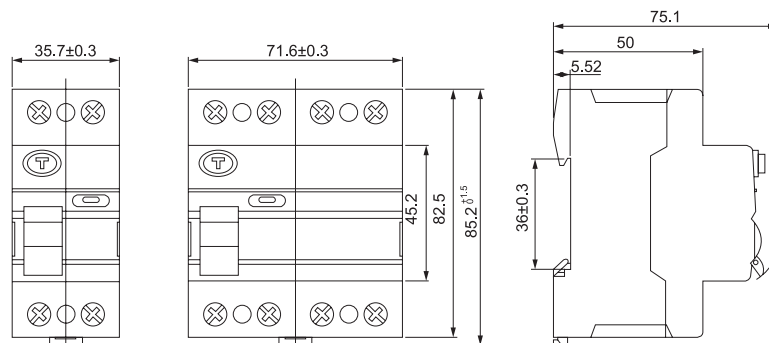
1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Catalogue numbers

TORD4B-63 RCCB

Type Product	B    					Width in 9 mm module	
4P	Sensitivity	30 mA	100 mA	300 mA	500 mA	8	
	Rating	25A	TORD4B-63/4/25/003	TORD4B-63/4/25/01	TORD4B-63/4/25/03		-
	40A	TORD4B-63/4/40/003	TORD4B-63/4/40/01	TORD4B-63/4/40/03	-		
	63A	TORD4B-63/4/63/003	TORD4B-63/4/63/01	TORD4B-63/4/63/03	-		
Voltage rating (Ue)	4P	380-415V					
Operating frequency	50Hz						

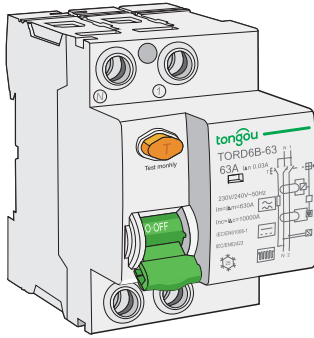
Dimensions (mm)



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 ($I_{\Delta n}$ 30 mA),
 - Protection of persons against electric shock by indirect contact ($I_{\Delta n}$ 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

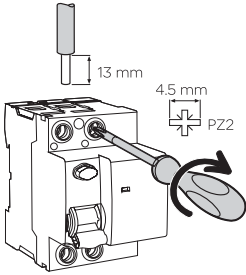
Device location in system	Group incomer
Network frequency	50Hz
Rated breaking and making capacity	Im 630A Idm630A
Rated conditional short-circuit current	10kA
[Ui] rated insulation voltage	250V
[Uimp] rated impulse withstand voltage	6kA
Contact position indicator	Yes
Control type	Toggle
Mounting mode	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

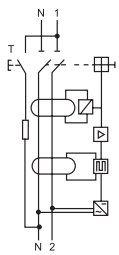


1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Catalogue numbers

TORD6B-63 RCCB

Type	Product	Width in 9 mm module		
2P	Sensitivity	30 mA	300 mA	500 mA



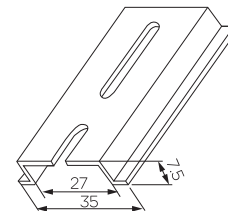
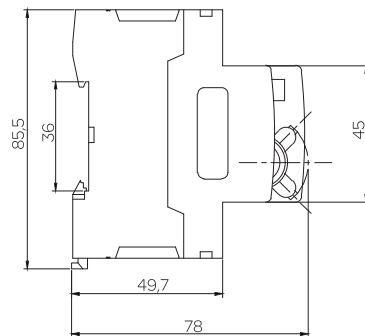
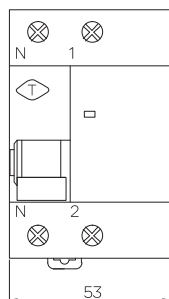
Rating

25A	TORD6B-63/4/25/003	TORD6B-63/4/25/03	-
40A	TORD6B-63/4/40/003	TORD6B-63/4/40/03	-
63A	TORD6B-63/4/63/003	TORD6B-63/4/63/03	-

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Voltage rating (Ue)	2P	230-240 V
Operating frequency		50Hz

Dimensions (mm)

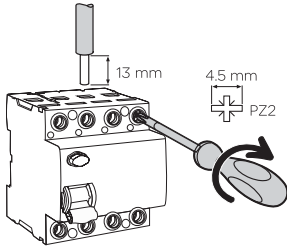


Environment

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 ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

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
		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				

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Dimensions (mm)

