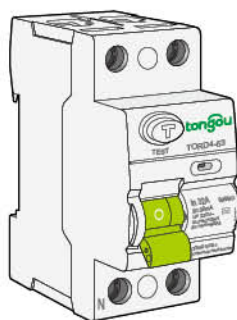


Protection
Circuit protection



TORD4-63 Residual Current Circuit Breaker (AC, A type)



IEC 61008-1
EN61008-1
AS/NZS 61008-1

■ The TORD4-63 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).

Main

Product or component type	Residual current
Device application	Distribution
Poles description	1P+N / 2P
Number of protected poles	2
Network type	AC , A
Rated residual operating current I_n (mA)	10 , 30 , 100 , 300 , 500
Rated frequency	50/60Hz
Rated impulse withstand voltage (U_{imp})	6kV
Rated conditional residual short-circuit current $I_{\Delta c}$	6kA

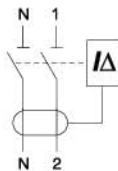
Complementary

[U_e] rated operational voltage	110 V , 230/240V AC
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail 35mm
Colour	Grey
Electro-mechanical endurance	$\geq 20,000$ cycles

Environment

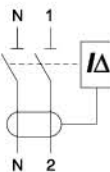
Standards	IEC 61009-1 , EC 61008-1 , AS/NZS 61008-1
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Operating altitude	2000 m
Ambient air temperature for operation	-5°C to +60°C
Ambient air temperature for storage	-40°C to +85°C

Catalogue numbers

TORD4-63 RCCB							
Type Product	AC 					Width in 9 mm module	
Auxiliaries							
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	
	Rating	16A	TORD4-63/2/16/001	-	-	-	
		25A	TORD4-63/2/25/001	TORD4-63/2/25/003	-	TORD4-63/2/25/03	TORD4-63/2/25/05
		40A	-	TORD4-63/2/40/003	TORD4-63/2/40/01	TORD4-63/2/40/03	TORD4-63/2/40/05
		63A	-	TORD4-63/2/63/003	TORD4-63/2/63/01	TORD4-63/2/63/03	TORD4-63/2/63/05
		80A	-	TORD4-63/2/80/003	TORD4-63/2/80/01	TORD4-63/2/80/03	-
		100A	-	TORD4-63/2/100/003	TORD4-63/2/100/01	TORD4-63/2/100/03	-
Voltage rating (Ue)	2P	110 - 240 V					
Operating frequency	50/60Hz						

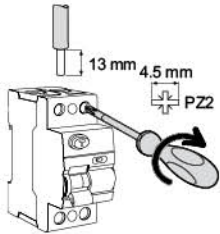
4

Catalogue numbers

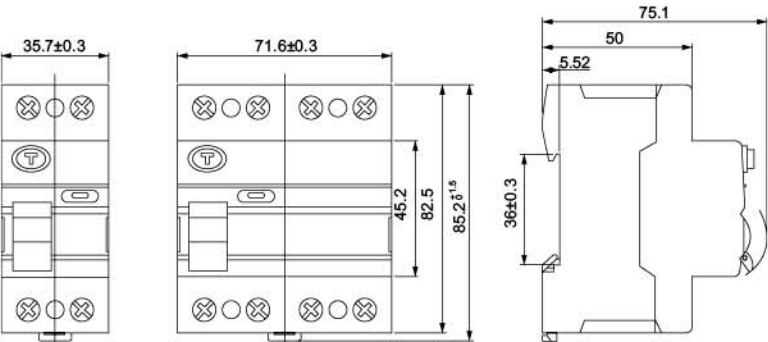
TORD4A-63 RCCB							
Type	A 					Width in 9 mm module	
Product							
Auxiliaries							
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	
	Rating	16A	TORD4A-63/ 2/16/001	-	-	-	
		25A	TORD4A-63/ 2/25/001	TORD4A-63/ 2/25/003	-	TORD4A-63/2/ 25/03	
		40A	-	TORD4A-63/ 2/40/003	-	TORD4A-63/2/ 40/03	TORD4A-63/ 2/40/05
		63A	-	TORD4A-63/ 2/63/003	-	TORD4A-63/2/ 63/03	TORD4A-63/ 2/63/05
		100A	-	TORD4A-63/ 2/100/003	-	TORD4A-63/2/ 100/03	TORD4A-63/ 2/100/05
Voltage rating (Ue)	2P	110 - 240 V					
Operating frequency	50/60Hz						

4

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

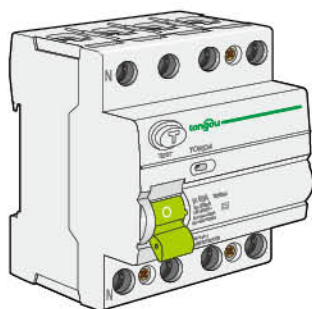
Dimensions (mm)



Protection
Circuit protection



TORD4-63 Residual Current Circuit Breaker (AC, A type)



IEC 61008-1
EN61008-1
AS/NZS 61008-1

■ The TORD4-63 residual current circuit breakers provide:

- ☐ Protection of persons against electric shock by direct contact (i_y 30 mA),
- ☐ Protection of persons against electric shock by indirect contact (i_u 100 mA),
- ☐ Protection of installations against the risk of fire (300 mA or 500 mA).

Main

Product or component type	Residual current
Device application	Distribution
Poles description	3P+N / 4P
Number of protected poles	4
Network type	AC, A
Rated residual operating current I_n (mA)	10, 30, 100, 300, 500
Rated frequency	50/60Hz
Rated impulse withstand voltage (U_{imp})	6kV
Rated conditional residual short-circuit current $I_{\Delta c}$	6kA

Complementary

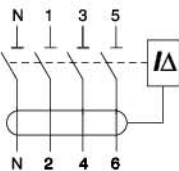
[U_e] rated operational voltage	380/415V AC
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail 35mm
Colour	Grey
Electro-mechanical endurance	$\geq 20,000$ cycles

Environment

Standards	IEC 61009-1, EC 61008-1, AS/NZS 61008-1
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	-5°C to +60°C
Ambient air temperature for storage	-40°C to +85°C

Catalogue numbers

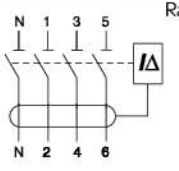
TORD4-63 RCCB

Type	AC						Width in 9 mm module
Product							
Auxiliaries							
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	
	Rating	25A	-	TORD4-63/4/25/003	-	TORD4-63/4/25/03	TORD4-63/4/25/05
		40A	-	TORD4-63/4/40/003	TORD4A-63/4/40/01	TORD4-63/4/40/03	TORD4-63/4/40/05
		63A	-	TORD4-63/4/63/003	TORD4A-63/4/63/01	TORD4-63/4/63/03	TORD4-63/4/63/05
		80A	-	TORD4-63/4/80/003	TORD4A-63/4/80/01	TORD4-63/4/80/03	TORD4-63/4/80/05
		100A	-	TORD4-63/4/100/003	TORD4A-63/4/100/01	TORD4-63/4/100/03	-
Voltage rating (Ue)		4P	400 - 415 V				
Operating frequency		50/60Hz					

8

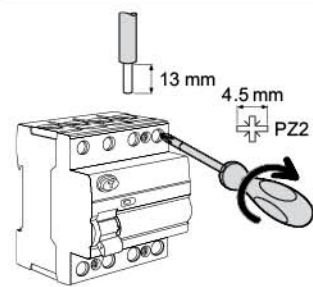
Catalogue numbers

TORD4A-63 RCCB

Type							Width in 9 mm module	
Product	A							
Auxiliaries								
4P	Sensitivity 10 mA		30 mA	100 mA	300 mA	500 mA	8	
	Rating	25A	-	TORD4A-63/4/25/003	-	TORD4A-63/4/25/03		-
		40A	-	TORD4A-63/4/40/003	TORD4A-63/4/40/01	TORD4A-63/4/40/03		TORD4A-63/4/40/05
		63A	-	TORD4A-63/4/63/003	TORD4A-63/4/63/01	TORD4A-63/4/63/03		TORD4A-63/4/63/05
		80A	-	TORD4A-63/4/80/003	-	TORD4A-63/4/80/03		TORD4A-63/4/80/05
		100A	-	TORD4A-63/4/100/003	-	TORD4A-63/4/100/03		TORD4A-63/4/100/05
	4P	400-415V						
Operating frequency		50/60Hz						

8

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

Dimensions (mm)

