



IEC 61009-1
EN61009-1
AS/NZS 61009-1

- The single-phase TOBN1-32 RCBO's self-contained residual current device carries out complete protection of final circuits:
 - Protection against short-circuits and cable overloads
 - Protection of persons against electric shock by direct contact(10, 30 mA sensitivities) .
 - Protection of persons against electric shock by indirect contact(100 mA sensitivity) .
 - Protection of equipment against fires set by leakage currents(100 mA sensitivity) .

Main

Product or component type	Residual current with over current
Device application	Distribution
Poles description	1P+N
Number of protected poles	2
Network type	AC
Rated residual operating current $I_{\Delta n}$ (mA)	10 , 30 , 100
Rated frequency	50/60Hz
Curve code	B, C
Breaking capacity	6kA

Complementary

[Ue] 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	≥ 20,000 cycles

Environment

Standards	IEC 61009-1 , EN61009 , AS/NZS 61009-1
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

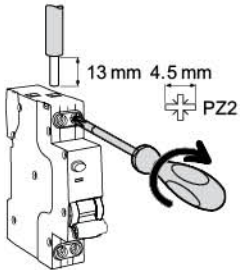
Catalogue numbers

TOBN1-32 RCBO 6000

1P+N		AC				Width in 9-mm modules
B curve	Voltage rating (V)	Sensitivity (Ien)	10 mA	30 mA	100 mA	
230V 240V	Rating(In)	6A	TOBN1-32/1N/B6/001	TOBN1-32/1N/B6/003	-	2
		10A	TOBN1-32/1N/B10/001	TOBN1-32/1N/B10/003	-	
		16A	TOBN1-32/1N/B16/001	TOBN1-32/1N/B16/003	-	
		20A	TOBN1-32/1N/B20/001	TOBN1-32/1N/B20/003	-	
		25A	TOBN1-32/1N/B25/001	TOBN1-32/1N/B25/003	-	
		32A	TOBN1-32/1N/B32/001	TOBN1-32/1N/B32/003	-	
C curve	Voltage rating (V)	Sensitivity (Ien)	10 mA	30 mA	100 mA	
110V	Rating(In)	10A	-	TOBN1-32/1N/C10/003	-	2
		16A	-	TOBN1-32/1N/C16/003	-	
		20A	-	TOBN1-32/1N/C20/003	-	
		25A	-	TOBN1-32/1N/C25/003	-	
		32A	-	TOBN1-32/1N/C32/003	-	
		230V 240V	Rating (In)	6A	TOBN1-32/1N/C6/001	
10A	TOBN1-32/1N/C10/001			TOBN1-32/1N/C10/003	TOBN1-32/1N/C10/01	
16A	TOBN1-32/1N/C16/001			TOBN1-32/1N/C16/003	TOBN1-32/1N/C16/01	
20A	TOBN1-32/1N/C20/001			TOBN1-32/1N/C20/003	TOBN1-32/1N/C20/01	
25A	TOBN1-32/1N/C25/001			TOBN1-32/1N/C25/003	TOBN1-32/1N/C25/01	
32A	TOBN1-32/1N/C32/001			TOBN1-32/1N/C32/003	TOBN1-32/1N/C32/01	

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 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²



Dimensions (mm)

