

Protection
Circuit protection



TOBNS-40 Residual Current Circuit Breaker 10,30 and 100 mA with Overcurrent Protection



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

■ The single-phase TOBNS-40 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 Type A
Rated residual operating current I _{Δn} (mA)	10 , 30 , 100
Rated frequency	50/60Hz
Curve code	B, C
Breaking capacity	6kA

Complementary

[U _e] rated operational voltage	110V, 196/253V, 230V/240V, 380V/400V 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