



VOE3-63 1P



VOE3-63 2P



VOE3-63 4P

Application

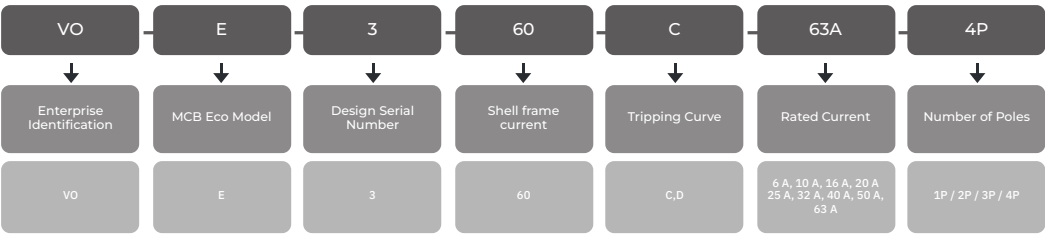
The VOE3 Miniature Circuit Breaker provides overload and short-circuit protection for AC 50/60 Hz electrical circuits. It is suitable for circuits rated up to 230 V in single-pole configurations and 400 V in 2P, 3P and 4P configurations. Designed for residential, commercial and industrial power distribution systems with rated currents up to 63 A. Available with C and D tripping curves for general-purpose and high-inrush loads. It can also be used for infrequent switching of electrical circuits under normal operating conditions.

Product Features

- Compliant with IEC 60898 for reliable overload and short-circuit protection.
- Rated from 6 A to 63 A with C and D tripping curves.
- Available in 1P, 2P, 3P and 4P configurations.
- Suitable for residential, commercial and industrial distribution systems.

Ordering Code

MODEL CONFIGURATION REFERENCE



Technical Specifications

Project	Parameter
Rated frame current	63 A
Compliant standard	IEC 60898
Rated current	6, 10, 16, 20, 25, 32, 40, 50, 63 A
Rated voltage	230 V AC (1P); 400 V AC (2P, 3P, 4P)
Rated frequency	50/60 Hz
Tripping curve	C (5–10 In), D (10–20 In)
Number of poles	1P, 2P, 3P, 4P
Rated short-circuit breaking capacity	C Curve: 6 kA for 6–32 A; 4 kA for 50–63 A; 40 A: To be confirmed. D Curve: 4 kA
Ambient operating temperature	–5°C to +40°C
Installation	DIN-rail mounting
Function	Overload and short-circuit protection; infrequent circuit switching

Applicable Conductor

Rated Current	Nominal Conductor Cross-Section
6 A	1 mm²
10 A	1.5 mm²
16–20 A	2.5 mm²
25 A	4 mm²
32 A	6 mm²
40–50 A	10 mm²
63 A	16 mm²

Overcurrent Protection Characteristics

Ambient Temperature	Initial Condition	Test Current	Operating Time	Expected Result	Remarks
30 ± 2°C	Cold state	1.13 In	t ≥ 1 h	No tripping	—
30 ± 2°C	Immediately after the previous test	1.45 In	t < 1 h	Tripping	—
30 ± 2°C	Cold state	2.55 In	1 s < t < 60 s	Tripping	In ≤ 32 A; current increased smoothly to the specified value within 5 s
30 ± 2°C	Cold state	2.55 In	1 s < t < 120 s	Tripping	In > 32 A; current increased smoothly to the specified value within 5 s
–5°C to +40°C	Cold state	5 In	t ≥ 0.1 s	No tripping	C Curve
–5°C to +40°C	Cold state	10 In	t < 0.1 s	Tripping	C Curve
–5°C to +40°C	Cold state	10 In	t ≥ 0.1 s	No tripping	D Curve
–5°C to +40°C	Cold state	20 In	t < 0.1 s	Tripping	D Curve