

VKL11 TypeA/AC/ASi RCCB



VKL11 RCCB 2P



VKL11 RCCB 4P

Application

The VOR11 Residual Current Circuit Breaker provides residual-current protection for AC 50/60 Hz electrical installations. It automatically disconnects the circuit when earth leakage is detected, helping protect people against electric shock and reduce fire risks caused by insulation faults. Suitable for residential, commercial and industrial distribution systems with rated voltages up to 240/415 V and rated currents up to 100 A. Available in Type AC, Type A and high-immunity Type ASi versions to meet different residual-current detection and operating requirements. Designed for DIN-rail installation and intended for use together with suitable overload and short-circuit protection.

Product Features

- Compliant with IEC/EN 61008-1, with 2P and 4P configurations available.
- Rated from 16 A to 100 A with 10, 30, 100 and 300 mA sensitivities.
- Available in Type AC, Type A and high-immunity Type ASi versions.
- Voltage-independent magnetic operation with a fault-current indicator and top or bottom power entry.

Ordering Code

MODEL CONFIGURATION REFERENCE

V	KL	11	A	63	30	4P
↓	↓	↓	↓	↓	↓	↓
VIOX Enterprise Identification	RCCB Product Family Code	Design Serial Number	Residual Current Type	Rated Current	Rated Residual Operating Current	Number of Poles
V	KL	11	AC, A, ASi	16, 25, 32, 40, 63, 80, 100 A	10, 30, 100, 300 mA	2P, 4P

Technical Specifications

Project	Parameter
Model	VKL11
Compliant standard	IEC/EN 61008-1
Number of poles	2P, 4P
Rated current	16, 25, 32, 40, 63, 80, 100 A
Rated residual operating current	10 mA (16–40 A), 30, 100, 300 mA
Rated voltage	240 V AC (2P); 415 V AC (4P)
Rated frequency	50/60 Hz
Residual current type	AC, A, ASi
Tripping characteristic	Instantaneous; short-time delayed for ASi
Rated residual making and breaking capacity	500 A (16–40 A); 630 A (63 A); 800 A (80 A); 1,000 A (100 A)
Rated conditional short-circuit current	6/10 kA
Rated insulation voltage	500 V
Rated impulse withstand voltage	6 kV
Dielectric test voltage	2.5 kV for 1 minute
Pollution degree	2
Electrical life	≥2,000 operations
Mechanical life	≥2,000 operations
Fault-current indicator	Yes
Degree of protection	IP20
Operating temperature	–25°C to +55°C
Storage temperature	–40°C to +70°C
Terminal connection	Cable or pin-type busbar
Terminal capacity	Up to 35 mm²
Tightening torque	2.5 N·m
Mounting	35 mm DIN rail, EN 60715
Power entry	Top or bottom

VKL11 Residual Current Type Selection

Type	Detectable Residual Current	Time Characteristic	Recommended Applications
Type AC	Sinusoidal AC residual current	Instantaneous	Conventional AC circuits and resistive loads
Type A	Sinusoidal AC and pulsating DC residual currents	Instantaneous	Residential, commercial and electronic equipment circuits
Type ASi	Type A characteristics with enhanced immunity to nuisance tripping	Short-time delayed	Circuits affected by harmonics, transient surges or electronic equipment

Technical Specifications

Sensitivity	Recommended Application
10 mA	Sensitive equipment and locations requiring enhanced personal protection
30 mA	Additional protection against electric shock
100 mA	Protection against indirect contact
300 mA	Protection against insulation-fault fire risks

Outline and Installation Dimension (mm)

