

### UL 1053 DIN Rail RCCB



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### UL 1053 DIN Rail RCCB 480/277 Vac

#### Product Overview

Optimum product quality, tested reliability and safety stand for best protection of installations and plant. Eaton's UL 1053 Residual Current Circuit Breaker (RCCB) is designed for use in residual current applications.

#### Application Description

- Motor control circuits
- HVAC internal/external equipment
- PLCs
- HMIs
- Equipment protection
- European housing

#### Features

- Wide range of compact RCCB types serving as fault-current and additional protection according to UL 1053 and IEC/EN 61008 standards, suitable for worldwide use
- Type A or Type G/A (with delay) protection available
- Comprehensive range of accessories
- Real contact position indicator
- Fault current tripping indicator
- Transparent designation plate
- Trip-free design—RCCB can not be defeated by holding the handle in the ON position
- Captive screws cannot be lost

#### Standards and Certifications

- UL 1053
- IEC/EN 61008
- CSA
- ÖVE
- CE Marked



## Product Selection

### UL 1053 RCCB 480Y/277V Type A

#### Two-Pole



#### Conditionally Surge Current-Proof 250A, Sensitive to Residual Pulsating DC, Type A

##### Two-Pole

Amperes	GF Sensitivity (mA)	Catalog Number <sup>①</sup>	Designation
25	30	167113	FRCmM-25/2/003-A-NA
	300	167116	FRCmM-25/2/03-A-NA
40	30	167114	FRCmM-40/2/003-A-NA
	300	167117	FRCmM-40/2/03-A-NA
63	30	167115	FRCmM-63/2/003-A-NA
	300	167118	FRCmM-63/2/03-A-NA

#### Four-Pole



#### Conditionally Surge Current-Proof 250A, Sensitive to Residual Pulsating DC, Type A

##### Four-Pole

Amperes	GF Sensitivity (mA)	Catalog Number <sup>①</sup>	Designation
25	30	167125	FRCmM-25/4/003-A-NA
	300	167104	FRCmM-25/4/03-A-NA
40	30	167102	FRCmM-40/4/003-A-NA
	300	167105	FRCmM-40/4/03-A-NA
63	30	167103	FRCmM-63/4/003-A-NA
	300	167106	FRCmM-63/4/03-A-NA

### UL 1053 RCCB 480Y/277V Type G/A

Type G/A has a 10 ms delay.

#### Two-Pole



#### Surge Current-Proof 3 kA, Sensitive to Residual Pulsating DC, Type G/A (ÖVE E 8601)

##### Two-Pole

Amperes	GF Sensitivity (mA)	Catalog Number <sup>①</sup>	Designation
25	30	167119	FRCmM-25/2/003-G/A-NA
	300	167122	FRCmM-25/2/03-G/A-NA
40	30	167120	FRCmM-40/2/003-G/A-NA
	300	167123	FRCmM-40/2/03-G/A-NA
63	30	167121	FRCmM-63/2/003-G/A-NA
	300	167124	FRCmM-63/2/03-G/A-NA

#### Four-Pole



#### Surge Current-Proof 3 kA, Sensitive to Residual Pulsating DC, Type G/A (ÖVE E 8601)

##### Four-Pole

Amperes	GF Sensitivity (mA)	Catalog Number <sup>①</sup>	Designation
25	30	167107	FRCmM-25/4/003-G/A-NA
	300	167110	FRCmM-25/4/03-G/A-NA
40	30	167108	FRCmM-40/4/003-G/A-NA
	300	167111	FRCmM-40/4/03-G/A-NA
63	30	167109	FRCmM-63/4/003-G/A-NA
	300	167112	FRCmM-63/4/03-G/A-NA

#### Note

<sup>①</sup> Has no thermal element; must be paired with FAZ-NA or FAZ per application.