

E-TRIP CHARACTERISTICS

Application Examples:

High efficiency motors, which have exceedingly high inrush currents. Relatively short thermal trip delays and very high magnetic trip points.

Prototype testing is recommended. The V-EA-E is the result of continuous research and improvement of our G- and D-Trip circuit breakers. It combines the short thermal trip delay of the G-Trip and an even higher magnetic trip point than the D-Trip.

Therefore, the V-EA-E provides adequate motor overload and short circuit protection.

Type Designation

2 E N U 60
(a) **(b)** **(c)** **(d)** **(e)**

- (a)** = Number of Poles
- (b)** = Trip Characteristic
- (c)** = Blank: without neutral pole
 = N: with neutral pole
- (d)** = U: UL/CSA version
 = R: ring tongue terminals, UL/CSA version
 = Blank: European version
- (e)** = Rated Current

Approvals:



UL508 Listed

Voltage Rating[®]

Interrupting Capacity (UL/CSA - Ratings)

Group Short Circuit (UL/CSA - Ratings)

Interrupting Capacity (VDE - Ratings)

Mechanical Endurance

Calibration Temperature

Standard Pack and Weight

Terminal Size Acceptability

Terminal Torque

Basic Dimensions (Elevation View)

- ^① Not European standard rating.
- ^② Please refer to page 21 for specific applications.
- ^③ DC rating (Manufacturer's self certification): One pole 48VDC, two pole series 125VDC

ONE POLE



1E

| Rated Current | Type/ Cat. No. | Approvals |
|-------------------|-------------------|-----------|
| 0.3A | 1EU03 | UL SP |
| 0.5A | 1EU05 | UL SP |
| 0.75A | 1EU075 | UL SP |
| 0.8A ^① | NA | |
| 1.0A | 1EU1 | UL SP |
| 1.6A | 1EU1.6 | UL SP |
| 2.0A | 1EU2 | UL SP |
| 2.5A | 1EU2.5 | UL SP |
| 3.0A | 1EU3 | UL SP |
| 3.5A | 1EU3.5 | UL SP |
| 4.0A | 1EU4 | UL SP |
| 5.0A | 1EU5 | UL SP |
| 6.0A | 1EU6 | UL SP |
| 8.0A | 1EU8 | UL SP |
| 10A | 1EU10 | UL SP |
| 12A ^① | 1EU12 | UL SP |
| 12.5A | 1EU125 | UL SP |
| 13A | 1EU13 | UL SP |
| 15A ^① | 1EU15 | UL SP |
| 16A | 1EU16 | UL SP |
| 20A | 1EU20 | UL SP |
| 25A | 1EU25 | UL SP |
| 30A ^① | 1EU30 | UL SP |
| 32A | 1EU32 | UL SP |
| 40A | 1EU40 | UL SP |
| 50A | 1EU50 | UL SP |
| 60A ^① | 1EU60 | UL SP |
| 63A | 1EU63 | UL SP |

277VAC

0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB

0.3-10A (RC): 10kA; 12-60A (RC): 5kA no branch circuit protection required

0.3-63A (RC): 10kA

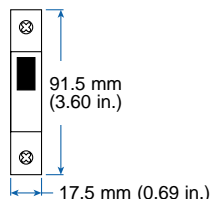
10000 ON/OFF operations^②

40°C (104°F)

10/0.3A - 32A = 1.4kg (3.1 lb.)
 40A - 63A = 1.6kg (3.5 lb.)

Top: 18-3 AWG; Bottom: 18-2 AWG

20 lb.in.



ONE POLE PLUS NEUTRAL



2EN

| Type/ Cat. No. | Approvals |
|-------------------|-----------|
| 2ENU03 | UL SP |
| 2ENU05 | UL SP |
| 2ENU075 | UL SP |
| NA | |
| 2ENU1 | UL SP |
| 2ENU1.6 | UL SP |
| 2ENU2 | UL SP |
| 2ENU2.5 | UL SP |
| 2ENU3 | UL SP |
| 2ENU3.5 | UL SP |
| 2ENU4 | UL SP |
| 2ENU5 | UL SP |
| 2ENU6 | UL SP |
| 2ENU8 | UL SP |
| 2ENU10 | UL SP |
| 2ENU12 | UL SP |
| 2ENU125 | UL SP |
| 2ENU13 | UL SP |
| 2ENU15 | UL SP |
| 2ENU16 | UL SP |
| 2ENU20 | UL SP |
| 2ENU25 | UL SP |
| 2ENU30 | UL SP |
| 2ENU32 | UL SP |
| 2ENU40 | UL SP |
| 2ENU50 | UL SP |
| 2ENU60 | UL SP |
| 2ENU63 | UL SP |

277VAC

0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB

0.3-10A (RC): 10kA; 12-60A (RC): 5kA no branch circuit protection required

0.3-63A (RC): 10kA

10000 ON/OFF operations^②

40°C (104°F)

5/0.3A - 32A = 1.3kg (2.9 lb.)
 40A - 63A = 1.45kg (3.2 lb.)

Top: 18-3 AWG; Bottom: 18-2 AWG

20 lb.in.

