

B-TRIP CHARACTERISTICS

Application Examples:

Business equipment, wiring protection, lighting, appliances, control circuits, some motors and some electronic applications. Relatively long thermal trip delay but low magnetic trip point.

Type Designation

2 B 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:



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)

- ❶ Not European standard rating.
- ❷ Please refer to page 21 for specific applications.
- ❸ DC rating (Manufacturer's self certification): One pole 48VDC, two pole series 125VDC
- * VDE pending

ONE POLE



1B



ONE POLE PLUS NEUTRAL



2BN



Rated Current	Type/ Cat. No.	Approvals	Type/ Cat. No.	Approvals
0.3A	NA		NA	
0.5A	NA		NA	
0.75A	NA		NA	
0.8A❶	NA		NA	
1.0A	1BU1	UL SF	2BNU1	UL SF
1.6A	1BU1.6	UL SF	2BNU1.6	UL SF
2.0A	1BU2	UL SF	2BNU2	UL SF
2.5A	1BU2.5	UL SF	2BNU2.5	UL SF
3.0A	1BU3	UL SF	2BNU3	UL SF
3.5A	1BU3.5	UL SF	2BNU3.5	UL SF
4.0A	1BU4	UL SF	2BNU4	UL SF
5.0A	1BU5	UL SF	2BNU5	UL SF
6.0A	1BU6	UL SF ⚠	2BNU6	UL SF ⚠
8.0A	NA		NA	
10A	1BU10	UL SF ⚠	2BNU10	UL SF ⚠
12A❶	NA		NA	
12.5A	NA		NA	
13A	1BU13	UL SF ⚠	2BNU13	UL SF ⚠
15A❶	1BU15	UL SF	2BNU15	UL SF
16A	1BU16	UL SF ⚠	2BNU16	UL SF ⚠
20A	1BU20	UL SF ⚠	2BNU20	UL SF ⚠
25A	1BU25	UL SF ⚠	2BNU25	UL SF ⚠
30A❶	1BU30	UL SF	2BNU30	UL SF
32A	1BU32	UL SF ⚠*	2BNU32	UL SF ⚠*
40A	1BU40	UL SF ⚠*	2BNU40	UL SF ⚠*
50A	1BU50	UL SF ⚠*	2BNU50	UL SF ⚠*
60A❶	1BU60	UL SF	2BNU60	UL SF
63A	1BU63	⚠*	2BNU63	⚠*
277VAC			277VAC	
0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB			0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB	
0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required			0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required	
0.3-63A (RC): 10kA			0.3-63A (RC): 10kA	
10000 ON/OFF operations❷			10000 ON/OFF operations❷	
40°C (104°F)			40°C (104°F)	
10/0.3A - 32A = 1.4kg (3.1 lb.) 40A - 63A = 1.6kg (3.5 lb.)			5/0.3A - 32A = 1.3kg (2.9 lb.) 40A - 63A = 1.45kg (3.2 lb.)	
Top: 18-3 AWG; Bottom: 18-2 AWG			Top: 18-3 AWG; Bottom: 18-2 AWG	
20 lb.in.			20 lb.in.	

TWO POLE



2B



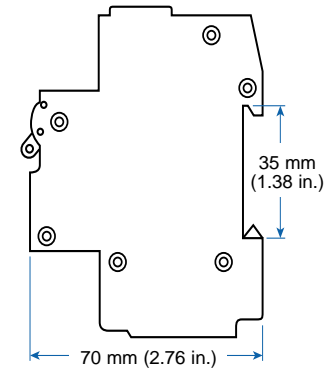
THREE POLE



3B



Basic Dimensions (side view)



Rated Current	Type/ Cat. No.	Approvals
0.3A	NA	
0.5A	NA	
0.75A	NA	
0.8A ^①	NA	
1.0A	2BU1	UL Ⓢ
1.6A	2BU1.6	UL Ⓢ
2.0A	2BU2	UL Ⓢ
2.5A	2BU2.5	UL Ⓢ
3.0A	2BU3	UL Ⓢ
3.5A	2BU3.5	UL Ⓢ
4.0A	2BU4	UL Ⓢ
5.0A	2BU5	UL Ⓢ
6.0A	2BU6	UL Ⓢ ⚡
8.0A	NA	
10A	2BU10	UL Ⓢ ⚡
12A ^①	NA	
12.5A	NA	
13A	2BU13	UL Ⓢ ⚡
15A ^①	2BU15	UL Ⓢ
16A	2BU16	UL Ⓢ ⚡
20A	2BU20	UL Ⓢ ⚡
25A	2BU25	UL Ⓢ ⚡
30A ^①	2BU30	UL Ⓢ
32A	2BU32	UL Ⓢ ⚡*
40A	2BU40	UL Ⓢ ⚡*
50A	2BU50	UL Ⓢ ⚡*
60A ^①	2BU60	UL Ⓢ
63A	2BU63	⚡*

480Y/277VAC

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

0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required

0.3-63A (RC): 10kA

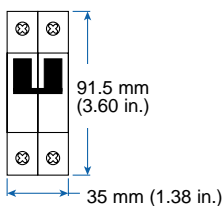
10000 ON/OFF operations^②

40°C (104°F)

5/1.4kg (3.1 lb.)

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

20 lb.in.



Type/ Cat. No.	Approvals
NA	
NA	
NA	
NA	
3BU1	UL Ⓢ
3BU1.6	UL Ⓢ
3BU2	UL Ⓢ
3BU2.5	UL Ⓢ
3BU3	UL Ⓢ
3BU3.5	UL Ⓢ
3BU4	UL Ⓢ
3BU5	UL Ⓢ
3BU6	UL Ⓢ ⚡
NA	
3BU10	UL Ⓢ ⚡
NA	
NA	
3BU13	UL Ⓢ ⚡
3BU15	UL Ⓢ
3BU16	UL Ⓢ ⚡
3BU20	UL Ⓢ ⚡
3BU25	UL Ⓢ ⚡
3BU30	UL Ⓢ
3BU32	UL Ⓢ ⚡*
3BU40	UL Ⓢ ⚡*
3BU50	UL Ⓢ ⚡*
3BU60	UL Ⓢ
3BU63	⚡*

480Y/277VAC

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

0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required

0.3-63A (RC): 10kA

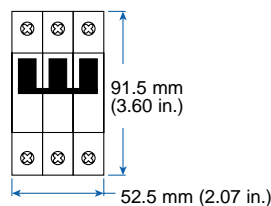
10000 ON/OFF operations^②

40°C (104°F)

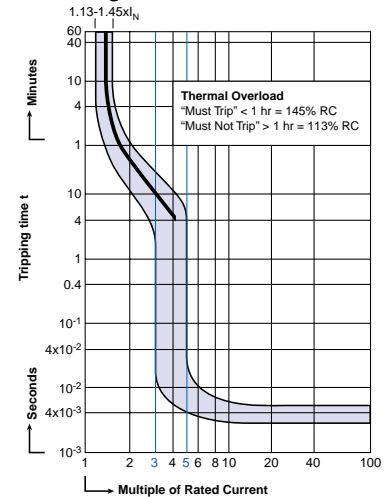
4/1.68kg (3.7 lb.)

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

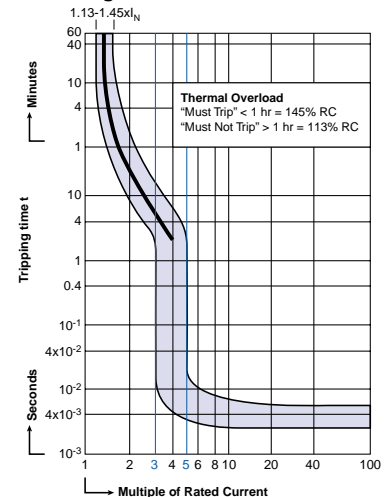
20 lb.in.



V-EA-B Trip 6.0A Through 10A Rated Current



V-EA-B Trip 13A Through 63A Rated Current



“B” Magnetic Trip Parameters

Rated current 0.3A to 63A.

1. Hold for a minimum of 100ms at surge of 3 times rated current.
2. Trip in under 100ms at 5 times rated current.

NB: Trip curves shown comply with North American standards. For trip curves according to European standards please consult Altech.

C-TRIP CHARACTERISTICS

Application Examples:

Low inrush motors, lighting, wiring protection, appliances, business equipment, and control circuit applications. Relatively long thermal trip delay and medium magnetic trip point.

Type Designation

$\frac{2}{(a)}$ $\frac{C}{(b)}$ $\frac{N}{(c)}$ $\frac{U}{(d)}$ $\frac{60}{(e)}$

- (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:



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)

- Ⓛ Not European standard rating.
- Ⓜ Please refer to page 21 for specific applications.
- Ⓨ DC rating (Manufacturer's self certification): One pole 48VDC, two pole series 125VDC
- * VDE pending

ONE POLE



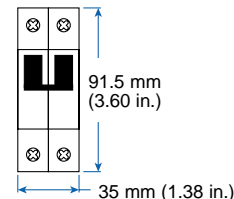
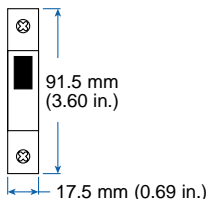
1C

ONE POLE PLUS NEUTRAL



2CN

Rated Current	Type/ Cat. No.	Approvals	Type/ Cat. No.	Approvals
0.3A	1CU03	UL SP Ⓨ	2CNU03	UL SP Ⓨ
0.5A	1CU05	UL SP Ⓨ	2CNU05	UL SP Ⓨ
0.75A	1CU075	UL SP Ⓨ	2CNU075	UL SP Ⓨ
0.8A [Ⓛ]	NA		NA	
1.0A	1CU1	UL SP Ⓨ	2CNU1	UL SP Ⓨ
1.6A	1CU1.6	UL SP Ⓨ	2CNU1.6	UL SP Ⓨ
2.0A	1CU2	UL SP Ⓨ	2CNU2	UL SP Ⓨ
2.5A	1CU2.5	UL SP Ⓨ	2CNU2.5	UL SP Ⓨ
3.0A	1CU3	UL SP Ⓨ	2CNU3	UL SP Ⓨ
3.5A	1CU3.5	UL SP Ⓨ	2CNU3.5	UL SP Ⓨ
4.0A	1CU4	UL SP Ⓨ	2CNU4	UL SP Ⓨ
5.0A	1CU5	UL SP Ⓨ	2CNU5	UL SP Ⓨ
6.0A	1CU6	UL SP Ⓨ	2CNU6	UL SP Ⓨ
8.0A	1CU8	UL SP Ⓨ	2CNU8	UL SP Ⓨ
10A	1CU10	UL SP Ⓨ	2CNU10	UL SP Ⓨ
12A [Ⓛ]	NA		NA	
12.5A	NA		NA	
13A	1CU13	UL SP Ⓨ	2CNU13	UL SP Ⓨ
15A [Ⓛ]	1CU15	UL SP	2CNU15	UL SP
16A	1CU16	UL SP Ⓨ	2CNU16	UL SP Ⓨ
20A	1CU20	UL SP Ⓨ	2CNU20	UL SP Ⓨ
25A	1CU25	UL SP Ⓨ	2CNU25	UL SP Ⓨ
30A [Ⓛ]	1CU30	UL SP	2CNU30	UL SP
32A	1CU32	UL SP Ⓨ *	2CNU32	UL SP Ⓨ *
40A	1CU40	UL SP Ⓨ *	2CNU40	UL SP Ⓨ *
50A	1CU50	UL SP Ⓨ *	2CNU50	UL SP Ⓨ *
60A [Ⓛ]	1CU60	UL SP	2CNU60	UL SP
63A	1CU63	Ⓨ *	2CNU63	Ⓨ *
277VAC			277VAC	
Interrupting Capacity (UL/CSA - Ratings)	0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB		0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB	
Group Short Circuit (UL/CSA - Ratings)	0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required		0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required	
Interrupting Capacity (VDE - Ratings)	0.3-63A (RC): 10kA		0.3-63A (RC): 10kA	
Mechanical Endurance	10000 ON/OFF operations [Ⓜ]		10000 ON/OFF operations [Ⓜ]	
Calibration Temperature	40°C (104°F)		40°C (104°F)	
Standard Pack and Weight	10/0.3A - 32A = 1.4kg (3.1 lb.) 40A - 63A = 1.6kg (3.5 lb.)		5/0.3A - 32A = 1.3kg (2.9 lb.) 40A - 63A = 1.45kg (3.2 lb.)	
Terminal Size Acceptability	Top: 18-3 AWG; Bottom: 18-2 AWG		Top: 18-3 AWG; Bottom: 18-2 AWG	
Terminal Torque	20 lb.in.		20 lb.in.	



TWO POLE



2C



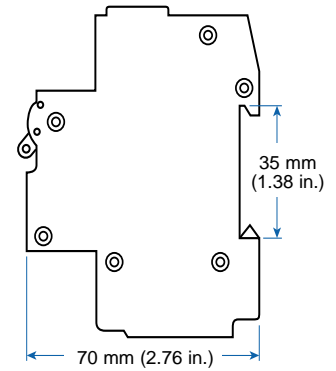
THREE POLE



3C



Basic Dimensions (side view)



Rated Current **Type/ Cat. No.** **Approvals**

0.3A	2CU03	UL, IEC, CE
0.5A	2CU05	UL, IEC, CE
0.75A	2CU075	UL, IEC, CE
0.8A	NA	
1.0A	2CU1	UL, IEC, CE
1.6A	2CU1.6	UL, IEC, CE
2.0A	2CU2	UL, IEC, CE
2.5A	2CU2.5	UL, IEC, CE
3.0A	2CU3	UL, IEC, CE
3.5A	2CU3.5	UL, IEC, CE
4.0A	2CU4	UL, IEC, CE
5.0A	2CU5	UL, IEC, CE
6.0A	2CU6	UL, IEC, CE
8.0A	2CU8	UL, IEC, CE
10A	2CU10	UL, IEC, CE
12A	NA	
12.5A	NA	
13A	2CU13	UL, IEC, CE
15A	2CU15	UL, IEC, CE
16A	2CU16	UL, IEC, CE
20A	2CU20	UL, IEC, CE
25A	2CU25	UL, IEC, CE
30A	2CU30	UL, IEC, CE
32A	2CU32	UL, IEC, CE*
40A	2CU40	UL, IEC, CE*
50A	2CU50	UL, IEC, CE*
60A	2CU60	UL, IEC, CE
63A	2CU63	UL, IEC, CE*

480Y/277VAC

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

0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required

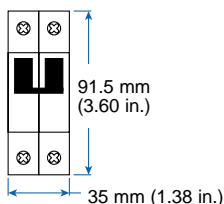
0.3-63A (RC): 10kA

10000 ON/OFF operations[®]

40°C (104°F)

5/1.4kg (3.1 lb.)

Top: 18-3 AWG; Bottom: 18-2 AWG
20 lb.in.



Type/ Cat. No. **Approvals**

3CU03	UL, IEC, CE
3CU05	UL, IEC, CE
3CU075	UL, IEC, CE
NA	
3CU1	UL, IEC, CE
3CU1.6	UL, IEC, CE
3CU2	UL, IEC, CE
3CU2.5	UL, IEC, CE
3CU3	UL, IEC, CE
3CU3.5	UL, IEC, CE
3CU4	UL, IEC, CE
3CU5	UL, IEC, CE
3CU6	UL, IEC, CE
3CU8	UL, IEC, CE
3CU10	UL, IEC, CE
NA	
NA	
3CU13	UL, IEC, CE
3CU15	UL, IEC, CE
3CU16	UL, IEC, CE
3CU20	UL, IEC, CE
3CU25	UL, IEC, CE
3CU30	UL, IEC, CE
3CU32	UL, IEC, CE*
3CU40	UL, IEC, CE*
3CU50	UL, IEC, CE*
3CU60	UL, IEC, CE
3CU63	UL, IEC, CE*

480Y/277VAC

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

0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required

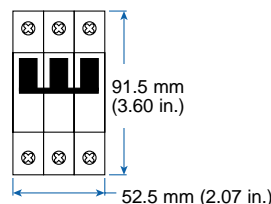
0.3-63A (RC): 10kA

10000 ON/OFF operations[®]

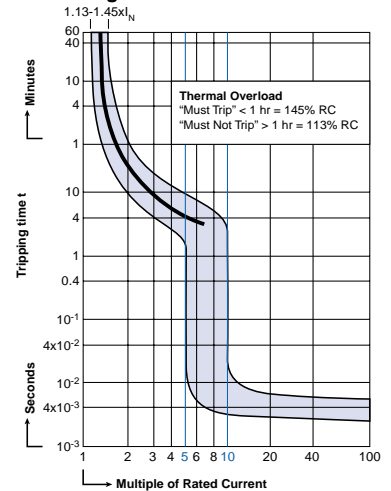
40°C (104°F)

4/1.68kg (3.7 lb.)

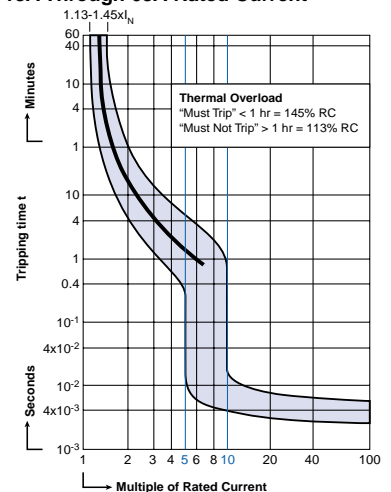
Top: 18-3 AWG; Bottom: 18-2 AWG
20 lb.in.



V-EA-C Trip 0.3A Through 10A Rated Current



V-EA-C Trip 13A Through 63A Rated Current



"C" Magnetic Trip Parameters Rated current 0.3A to 63A.

1. Hold for a minimum of 100ms at surge of 5 times rated current.
2. Trip in under 100ms at 10 times rated current.

NB: Trip curves shown comply with North American standards. For trip curves according to European standards please consult Altech.

D-TRIP CHARACTERISTICS

Application Examples:

High inrush motors, transformers, power supplies, heaters and reactive loads. Relatively long thermal trip delay and very high magnetic trip point.

Prototype testing is recommended in motor applications where the relatively long thermal trip delay may not provide adequate motor overload protection. Motor-integral overload protectors are recommended, with the V-EA-D providing disconnect, backup thermal protection and additional short circuit and energy let-through protection.

Type Designation

$\frac{2}{(a)}$ $\frac{D}{(b)}$ $\frac{N}{(c)}$ $\frac{U}{(d)}$ $\frac{60}{(e)}$

- (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:



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
- * VDE pending

ONE POLE



1D

Rated Current	Type/ Cat. No.	Approvals
0.3A	1DU03	UL SF
0.5A	1DU05	UL SF
0.75A	1DU075	UL SF
0.8A ^①	NA	
1.0A	1DU1	UL SF
1.6A	1DU1.6	UL SF
2.0A	1DU2	UL SF
2.5A	1DU2.5	UL SF
3.0A	1DU3	UL SF
3.5A	1DU3.5	UL SF
4.0A	1DU4	UL SF
5.0A	1DU5	UL SF
6.0A	1DU6	UL SF
8.0A	1DU8	UL SF
10A	1DU10	UL SF
12A ^①	NA	
12.5A	NA	
13A	1DU13	UL SF
15A ^①	1DU15	UL SF
16A	1DU16	UL SF
20A	1DU20	UL SF
25A	1DU25	UL SF
30A ^①	1DU30	UL SF
32A	1DU32	UL SF *
40A	1DU40	UL SF *
50A	1DU50	UL SF *
60A ^①	1DU60	UL SF
63A	1DU63	UL SF *

277VAC

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

0.3-10A (RC): 10kA; 13-60A (RC): 5kA
no branch circuit protection required

0.3-63A (RC): 10kA

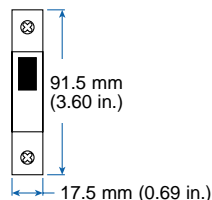
10000 ON/OFF operations^②

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



2DN

Type/ Cat. No.	Approvals
2DNU03	UL SF
2DNU05	UL SF
2DNU075	UL SF
NA	
2DNU1	UL SF
2DNU1.6	UL SF
2DNU2	UL SF
2DNU2.5	UL SF
2DNU3	UL SF
2DNU3.5	UL SF
2DNU4	UL SF
2DNU5	UL SF
2DNU6	UL SF
2DNU8	UL SF
2DNU10	UL SF
NA	
NA	
2DNU13	UL SF
2DNU15	UL SF
2DNU16	UL SF
2DNU20	UL SF
2DNU25	UL SF
2DNU30	UL SF
2DNU32	UL SF *
2DNU40	UL SF *
2DNU50	UL SF *
2DNU60	UL SF
2DNU63	UL SF *

277VAC

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

0.3-10A (RC): 10kA; 13-60A (RC): 5kA
no branch circuit protection required

0.3-63A (RC): 10kA

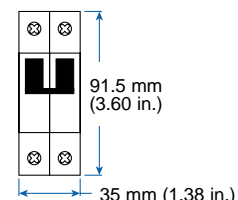
10000 ON/OFF operations^②

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.



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

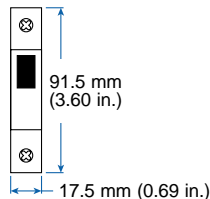
10000 ON/OFF operations^②

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

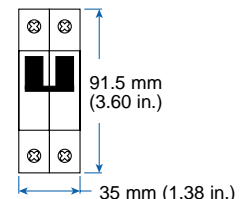
10000 ON/OFF operations^②

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.



G-TRIP CHARACTERISTICS

Application Examples:

General industrial, including motors, some transformers, solenoids, control circuits, lighting and wiring. Meets the US trip norms with relatively short thermal trip delay and high magnetic trip point.

Type Designation

2 G 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:



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)

❶ Not European standard rating.

❷ Please refer to page 21 for specific applications.

❸ DC rating (Manufacturer's self certification): One pole 48VDC, two pole series 125VDC

* AC Motor Starting, Across-the-line approval pending

ONE POLE



1G

Rated Current	Type/ Cat. No.	Approvals
0.3A	1GU03	UL Ⓢ
0.5A	1GU05	UL Ⓢ
0.75A	NA	
0.8A❶	1GU08	UL Ⓢ
1.0A	1GU1	UL Ⓢ
1.6A	1GU1.6	UL Ⓢ
2.0A	1GU2	UL Ⓢ
2.5A	1GU2.5	UL Ⓢ
3.0A	1GU3	UL Ⓢ
3.5A	1GU3.5	UL Ⓢ
4.0A	1GU4	UL Ⓢ
5.0A	1GU5	UL Ⓢ
6.0A	1GU6	UL Ⓢ
8.0A	1GU8	UL Ⓢ
10A	1GU10	UL Ⓢ
12A❶	1GU12	UL Ⓢ
12.5A	1GU125	UL Ⓢ
13A	1GU13	UL Ⓢ
15A❶	1GU15	UL Ⓢ
16A	1GU16	UL Ⓢ
20A	1GU20	UL Ⓢ
25A	1GU25	UL Ⓢ
30A❶	1GU30	UL Ⓢ
32A	1GU32	UL Ⓢ
40A	1GU40	UL Ⓢ
50A	1GU50	UL Ⓢ
60A❶	1GU60	UL Ⓢ
63A	1GU63	

277VAC

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

0.3-63A (RC): 10kA

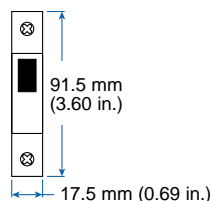
10000 ON/OFF operations^❷

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



2GN

Type/ Cat. No.	Approvals
2GNU03	UL Ⓢ
2GNU05	UL Ⓢ
NA	
2GNU08	UL Ⓢ
2GNU1	UL Ⓢ
2GNU1.6	UL Ⓢ
2GNU2	UL Ⓢ
2GNU2.5	UL Ⓢ
2GNU3	UL Ⓢ
2GNU3.5	UL Ⓢ
2GNU4	UL Ⓢ
2GNU5	UL Ⓢ
2GNU6	UL Ⓢ
2GNU8	UL Ⓢ
2GNU10	UL Ⓢ
2GNU12	UL Ⓢ
2GNU125	UL Ⓢ
2GNU13	UL Ⓢ
2GNU15	UL Ⓢ
2GNU16	UL Ⓢ
2GNU20	UL Ⓢ
2GNU25	UL Ⓢ
2GNU30	UL Ⓢ
2GNU32	UL Ⓢ
2GNU40	UL Ⓢ
2GNU50	UL Ⓢ
2GNU60	UL Ⓢ
2GNU63	

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^❷

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.

