

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

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

(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



1C

ONE POLE PLUS NEUTRAL



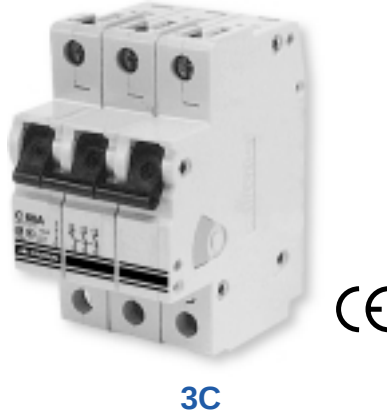
2CN

Rated Current	Type/ Cat. No.	Approvals	Type/ Cat. No.	Approvals
0.3A	1CU03		2CNU03	
0.5A	1CU05		2CNU05	
0.75A	1CU075		2CNU075	
0.8A ^①	NA		NA	
1.0A	1CU1		2CNU1	
1.6A	1CU1.6		2CNU1.6	
2.0A	1CU2		2CNU2	
2.5A	1CU2.5		2CNU2.5	
3.0A	1CU3		2CNU3	
3.5A	1CU3.5		2CNU3.5	
4.0A	1CU4		2CNU4	
5.0A	1CU5		2CNU5	
6.0A	1CU6		2CNU6	
8.0A	1CU8		2CNU8	
10A	1CU10		2CNU10	
12A ^①	NA		NA	
12.5A	NA		NA	
13A	1CU13		2CNU13	
15A ^①	1CU15		2CNU15	
16A	1CU16		2CNU16	
20A	1CU20		2CNU20	
25A	1CU25		2CNU25	
30A ^①	1CU30		2CNU30	
32A	1CU32		2CNU32	
40A	1CU40		2CNU40	
50A	1CU50		2CNU50	
60A ^①	1CU60		2CNU60	
63A	1CU63		2CNU63	
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 operations ^②			10000 ON/OFF operations ^②	
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.	

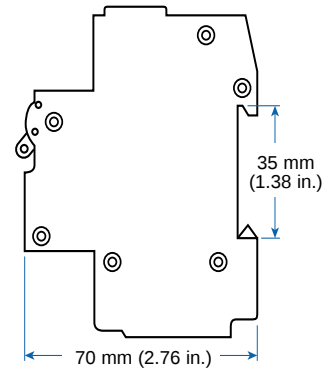
TWO POLE



THREE POLE



Basic Dimensions (side view)



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

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

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

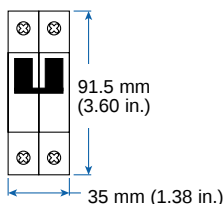
0.3-63A (RC): 10kA

10000 ON/OFF operations²

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

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

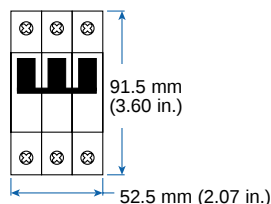
0.3-63A (RC): 10kA

10000 ON/OFF operations²

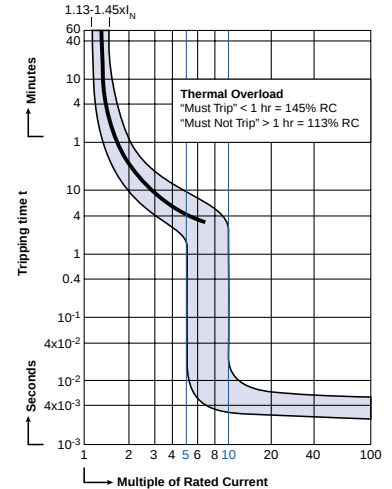
40°C (104°F)

4/1.68kg (3.7 lb.)

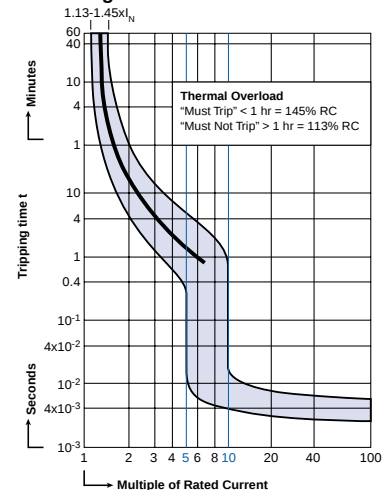
Top: 18-3 AWG; Bottom: 18-2 AWG
20 lb.in.



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.