

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)

^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

* 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 | |
| 0.8A ^① | 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 Ⓢ |
| 12A ^① | 1GU12 | UL Ⓢ |
| 12.5A | 1GU125 | UL Ⓢ |
| 13A | 1GU13 | UL Ⓢ |
| 15A ^① | 1GU15 | UL Ⓢ |
| 16A | 1GU16 | UL Ⓢ |
| 20A | 1GU20 | UL Ⓢ |
| 25A | 1GU25 | UL Ⓢ |
| 30A ^① | 1GU30 | UL Ⓢ |
| 32A | 1GU32 | UL Ⓢ |
| 40A | 1GU40 | UL Ⓢ |
| 50A | 1GU50 | UL Ⓢ |
| 60A ^① | 1GU60 | UL Ⓢ |
| 63A | 1GU63 | UL Ⓢ |

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

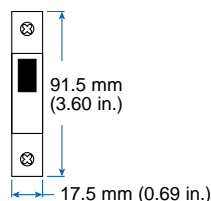
10000 ON/OFF operations^②

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



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 | UL Ⓢ |

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

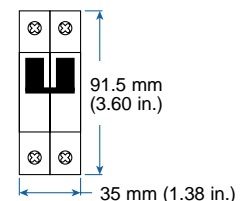
10000 ON/OFF operations^②

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.



TWO POLE



2G

THREE POLE



3G

Basic Dimensions (side view)



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

| | | |
|-------|--------|---------|
| 0.3A | 2GU03 | UL SF |
| 0.5A | 2GU05 | UL SF |
| 0.75A | NA | |
| 0.8A | 2GU08 | UL SF |
| 1.0A | 2GU1 | UL SF |
| 1.6A | 2GU1.6 | UL SF |
| 2.0A | 2GU2 | UL SF |
| 2.5A | 2GU2.5 | UL SF |
| 3.0A | 2GU3 | UL SF |
| 3.5A | 2GU3.5 | UL SF |
| 4.0A | 2GU4 | UL SF |
| 5.0A | 2GU5 | UL SF |
| 6.0A | 2GU6 | UL SF |
| 8.0A | 2GU8 | UL SF |
| 10A | 2GU10 | UL SF |
| 12A | 2GU12 | UL SF * |
| 12.5A | 2GU125 | UL SF * |
| 13A | 2GU13 | UL SF * |
| 15A | 2GU15 | UL SF * |
| 16A | 2GU16 | UL SF * |
| 20A | 2GU20 | UL SF * |
| 25A | 2GU25 | UL SF * |
| 30A | 2GU30 | UL SF * |
| 32A | 2GU32 | UL SF * |
| 40A | 2GU40 | UL SF * |
| 50A | 2GU50 | UL SF * |
| 60A | 2GU60 | UL SF * |
| 63A | 2GU63 | UL SF * |

Type/ Cat. No. **Approvals**

| | |
|--------|---------|
| 3GU03 | UL SF |
| 3GU05 | UL SF |
| NA | |
| 3GU08 | UL SF |
| 3GU1 | UL SF |
| 3GU1.6 | UL SF |
| 3GU2 | UL SF |
| 3GU2.5 | UL SF |
| 3GU3 | UL SF |
| 3GU3.5 | UL SF |
| 3GU4 | UL SF |
| 3GU5 | UL SF |
| 3GU6 | UL SF |
| 3GU8 | UL SF |
| 3GU10 | UL SF |
| 3GU12 | UL SF * |
| 3GU125 | UL SF * |
| 3GU13 | UL SF * |
| 3GU15 | UL SF * |
| 3GU16 | UL SF * |
| 3GU20 | UL SF * |
| 3GU25 | UL SF * |
| 3GU30 | UL SF * |
| 3GU32 | UL SF * |
| 3GU40 | UL SF * |
| 3GU50 | UL SF * |
| 3GU60 | UL SF * |
| 3GU63 | UL SF * |

480Y/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

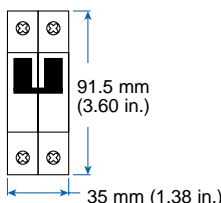
10000 ON/OFF operations[Ⓜ]

40°C (104°F)

5/1.4kg (3.1 lb.)

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

20 lb.in.



480Y/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

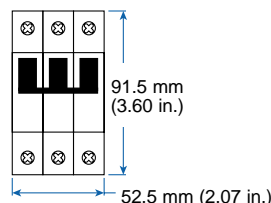
10000 ON/OFF operations[Ⓜ]

40°C (104°F)

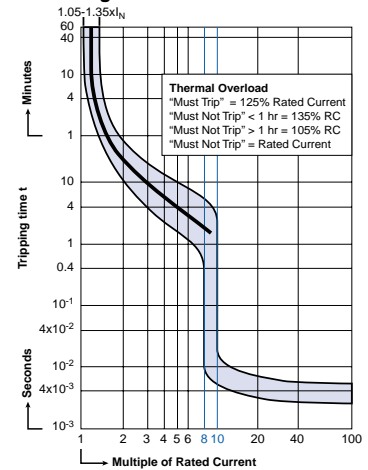
4/1.68kg (3.7 lb.)

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

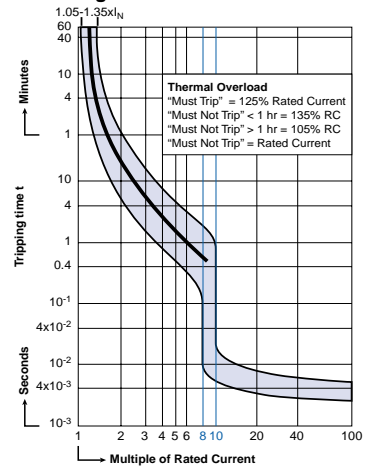
20 lb.in.



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



V-EA-G Trip 12A Through 63A Rated Current



"G" Magnetic Trip Parameters Rated Current, 0.3A to 63A.

Magnetic Trip:

1. Hold for a minimum of 100ms at surge of 8 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.