



TeSys GV4 - Vermogensschakelaar  
- Magnetisch - 50A - 3P -  
Kabelschoen

GV4LE50N6

EAN Code: 3606481309808

Prijs: 312,60 EUR

Hoofd

|                           |                            |
|---------------------------|----------------------------|
| range of product          | Tesys GV4                  |
| range                     | TeSys                      |
| device short name         | GV4L                       |
| product name              | TeSys GV4<br>Tesys deca    |
| product or component type | Motor vermogensschakelaar  |
| device application        | Motorbeveiliging           |
| trip unit technology      | Magnetisch<br>Elektronisch |

Complementair

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| poles description                                  | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| utilisation category                               | A conform aan IEC 60947-2<br>AC-3 conform aan IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                            |
| bedieningspositie                                  | Eender welke positie                                                                                                                                                                                                                                                                                                                                                                                                                   |
| motorvermogen kW                                   | 11 kW bij 400...415 V AC 50/60 Hz<br>15 kW bij 500 V AC 50/60 Hz<br>18,5 kW bij 660...690 V AC 50/60 Hz<br>15 kW bij 400...415 V AC 50/60 Hz<br>18,5 kW bij 400...415 V AC 50/60 Hz<br>22 kW bij 400...415 V AC 50/60 Hz<br>18,5 kW bij 500 V AC 50/60 Hz<br>22 kW bij 500 V AC 50/60 Hz<br>30 kW bij 500 V AC 50/60 Hz<br>22 kW bij 660...690 V AC 50/60 Hz<br>30 kW bij 660...690 V AC 50/60 Hz<br>45 kW bij 660...690 V AC 50/60 Hz |
| breaking capacity                                  | 100 kA Icu bij 220...240 V AC 50/60 Hz conform aan IEC 60947-2<br>50 kA Icu bij 380...415 V AC 50/60 Hz conform aan IEC 60947-2<br>50 kA Icu bij 440 V AC 50/60 Hz conform aan IEC 60947-2<br>15 kA Icu bij 525 V AC 50/60 Hz conform aan IEC 60947-2<br>8 kA Icu bij 660...690 V AC 50/60 Hz conform aan IEC 60947-2<br>25 kA Icu bij 500 V AC 50/60 Hz conform aan IEC 60947-2                                                       |
| control type                                       | Omschakelen                                                                                                                                                                                                                                                                                                                                                                                                                            |
| In toegekende stroomsterkte                        | 50 A                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| magnetische uitschakelstroom                       | 300...700 A                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Ue toegekende bedrijfspanning                      | 690 V AC 50/60 Hz conform aan IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                              |
| Ui toegekende isolatiespanning                     | 800 V AC 50/60 Hz conform aan IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                              |
| Ith conventionele thermische stroom in vrije lucht | 115 A conform aan IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                        |
| Uimp nom. schokgolfspanning                        | 8 kV conform aan IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                           |

De weergegeven prijs is de adviesprijs in euro excl. BTW. Deze kan onderhevig zijn aan korting. Neem contact op met uw lokale distributeur of detailhandel voor de daadwerkelijke prijs

Disclaimer: Deze documentatie is niet bedoeld als vervanging voor en mag niet worden gebruikt voor het bepalen van de geschiktheid of betrouwbaarheid van deze producten voor specifieke gebruikerstoepassingen

|                                 |                                                                                                                                                                              |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vermogensdissipatie per pool    | 6,1 W                                                                                                                                                                        |
| mechanical durability           | 40000 cycles                                                                                                                                                                 |
| elektrische duurzaamheid        | 20000 cycles voor AC-3 bij 440 V In/2<br>10000 cycles voor AC-3 bij 440 V In                                                                                                 |
| maximale bedrijfsfrequentie     | 25 cyc/h                                                                                                                                                                     |
| nominale werking                | Continu conform aan IEC 60947-4-1                                                                                                                                            |
| aansluitingssteek               | 27 mm zonder dwarsbalken<br>35 mm met verbreders                                                                                                                             |
| aansluitingen - aansluitklemmen | Schoenen-ringklemmen                                                                                                                                                         |
| aanspanmoment                   | 9 N.m voor kabel 16...95 mm <sup>2</sup><br>5 N.m voor kabel 1,5...10 mm <sup>2</sup>                                                                                        |
| mechanische stevigheid          | Trillingen: +/- 1 mm 2...13,2 Hz conform aan IEC 60068-2-6<br>Trillingen: 0.7 gn 13,2...100 Hz conform aan IEC 60068-2-6<br>Schokken: 15 Gn 11 ms conform aan IEC 60068-2-27 |
| height                          | 155 mm                                                                                                                                                                       |
| width                           | 81 mm                                                                                                                                                                        |
| depth                           | 116 mm                                                                                                                                                                       |
| net weight                      | 1,5 kg                                                                                                                                                                       |
| colour                          | Grijs (RAL 7016)                                                                                                                                                             |
| suitability for isolation       | Ja conform aan IEC 60947-1                                                                                                                                                   |

## Omgeving

|                                       |                                    |
|---------------------------------------|------------------------------------|
| standards                             | EN/IEC 60947-4-1<br>EN/IEC 60947-2 |
| product certifications                | IEC<br>CCC<br>EAC<br>EU-RO MR      |
| weerbestendigheid                     | conform aan IACS E10               |
| IK beschermingsgraad                  | IK07 conform aan IEC 62262         |
| pollution degree                      | 3                                  |
| IP beschermingsgraad                  | IP40 conform aan IEC 60529         |
| ambient air temperature for storage   | -50...85 °C                        |
| vuurbestendigheid                     | 960 °C conform aan IEC 60695-2-11  |
| bedrijfshoogte                        | 5000 m                             |
| ambient air temperature for operation | -25...70 °C                        |

## Verpakkingseenheid

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 10,500 cm |
| Package 1 Width              | 16,500 cm |
| Package 1 Length             | 22,000 cm |
| Package 1 Weight             | 1,439 kg  |
| Unit Type of Package 2       | S03       |

|                              |           |
|------------------------------|-----------|
| Number of Units in Package 2 | 5         |
| Package 2 Height             | 30,000 cm |
| Package 2 Width              | 30,000 cm |
| Package 2 Length             | 40,000 cm |
| Package 2 Weight             | 7,605 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 40        |
| Package 3 Height             | 75,000 cm |
| Package 3 Width              | 80,000 cm |
| Package 3 Length             | 60,000 cm |
| Package 3 Weight             | 68,840 kg |

## contractuele waarborg

|          |           |
|----------|-----------|
| Garantie | 18 months |
|----------|-----------|

Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

[Uitleg van Environmental Data](#) >

[Hoe evalueren we de duurzaamheid van producten?](#) >

| Milieuvoetafdruk                           |                                               |
|--------------------------------------------|-----------------------------------------------|
| Totale levenscyclus ecologische voetafdruk | 116                                           |
| Milieuprofiel van product (PEP)            | <a href="#">Milieuprofiel van het product</a> |

Use Better

| Materialen en verpakking          |                                                |
|-----------------------------------|------------------------------------------------|
| Pakket met gerecycleerd karton    | Ja                                             |
| Verpakkingen zonder kunststof     | Nee                                            |
| <a href="#">EU-richtlijn RoHS</a> | Voldoet                                        |
| SCIP-nummer                       | 1b259a2c-3a3c-401a-acdd-f0837efd4018           |
| REACH-regelgeving                 | <a href="#">REACH-verklaring</a>               |
| Halogeenvrije status              | Product met halogeenvrije kunststof onderdelen |
| PVC-vrij                          | Ja                                             |

Use Again

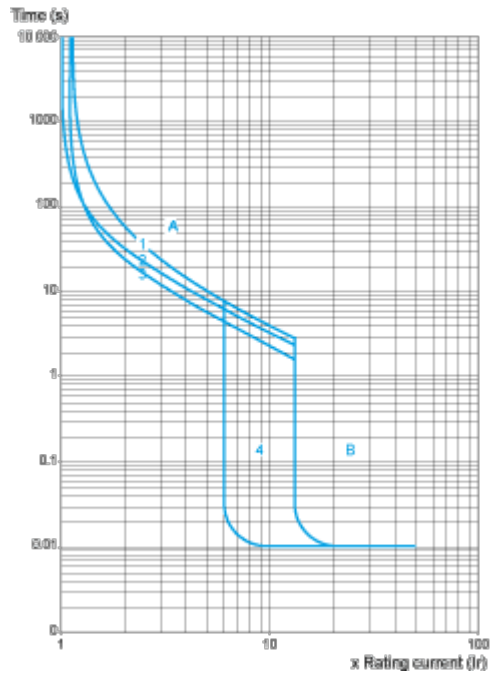
| Herverpakken en herfabriceren |                                                                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circulair Profiel             | <a href="#">Informatie over einde levensduur</a>                                                                                                                                                                                                    |
| Terugname                     | No                                                                                                                                                                                                                                                  |
| WEEE Label                    |  Het product moet op markten van de Europese Unie worden afgevoerd volgens specifieke afvalinzamelingsregels en mag nooit in een gewone vuilnisbak terechtkomen. |

Performance Curves

Tripping Curves for GV4L and GV4LE Combined with Thermal Overload Relay LRD or LR9

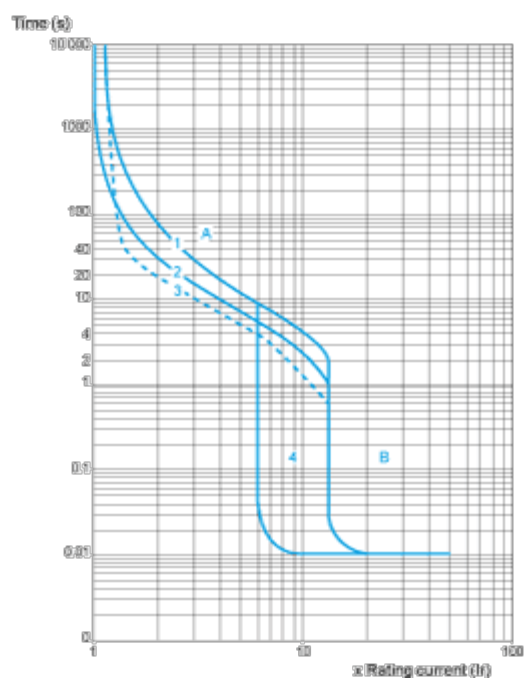
Average Operating Times at 20 °C Related to Multiples of the Setting Current

GV4L02 and GV4LE02 to 12 with LRD05 to LRD14, GV4L80 and GV4LE80 with LRD3363



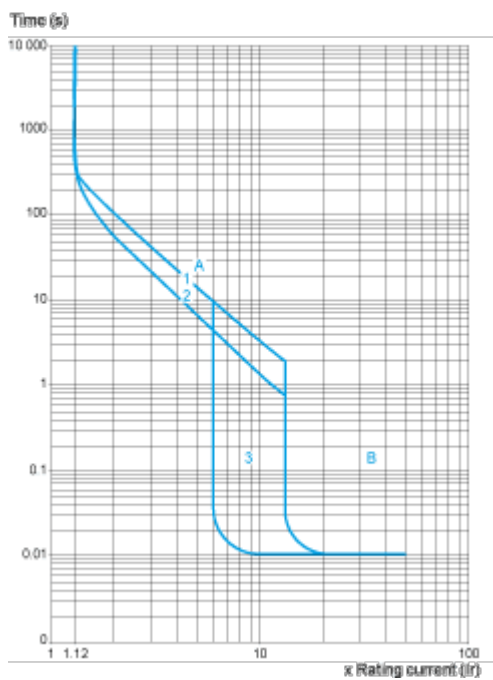
- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state
- 4 6...14 Ir
- A Thermal overload relay protection zone
- B GV4L protection zone

GV4L25 and GV4LE25 with LRD 318, LRD325 GV4L50 AND GV4LE50 with LRD 332, LRD 340, LRD 350



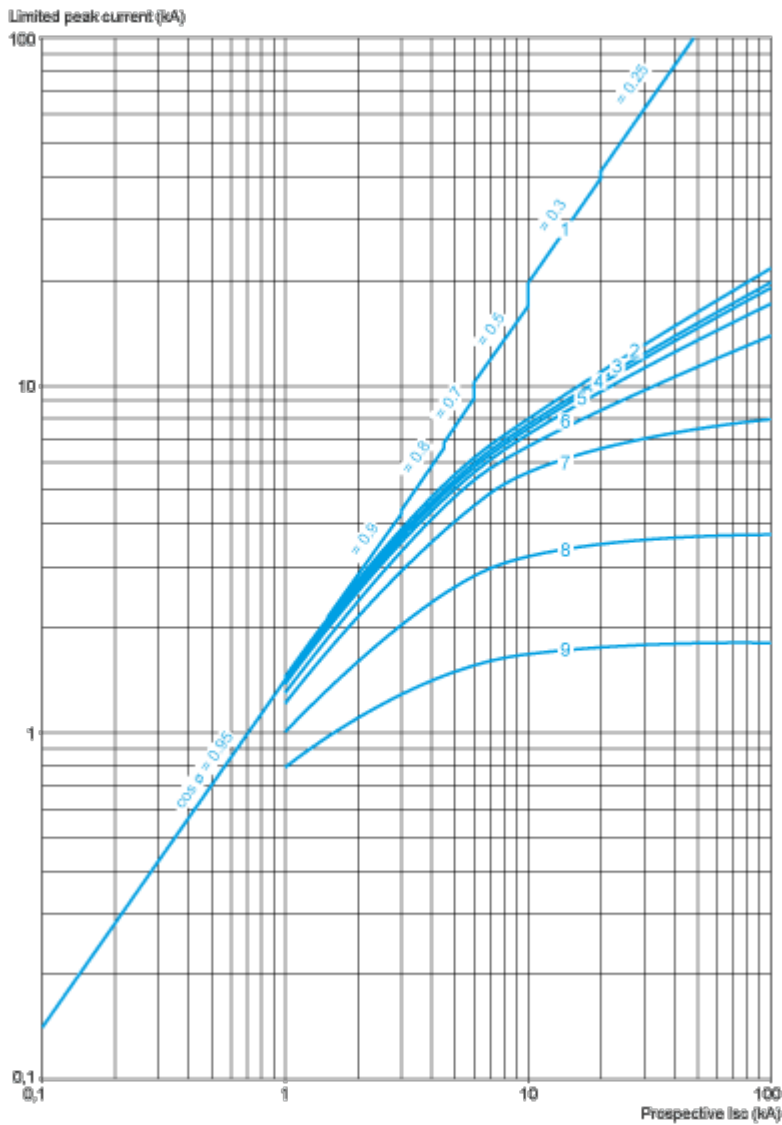
- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state
- 4 6...14 Ir
- A Thermal overload relay protection zone
- B GV4L protection zone

GV4L115 and GV4LE115 with Class 10 LR9F5367, LR9D5369 and Class 20 LR9D5567, LR9F5569



- 1 Cold state curve
- 2 Hot state curve
- 3 6...14 Ir

Current Limitation on Short-Circuit for GV4L, GV4LE (3-Phase 400/415 V)  
Dynamic Stress  
 $I_{peak} = f(\text{prospective } I_{sc}) \text{ at } 1.05 U_e = 435 \text{ V}$



- 1 Maximum peak current
- 2 GV4L115
- 3 GV4L80
- 4 GV4L50
- 5 GV4L25
- 6 GV4L12
- 7 GV4L07
- 8 GV4L03
- 9 GV4L02

Current Limitation on Short-Circuit for GV4L, GV4LE + Thermal Overload Relay LRD or LR9 (3-Phase 400/415 V)

Dynamic Stress  
 $I_{peak} = f(\text{prospective } I_{sc}) \text{ at } 1.05 U_e = 435 \text{ V}$



- 1 Maximum peak current
- 2 GV4L115 + LR9D5367 or LR9F5367
- 3 GV4L80 + LRD3361
- 4 GV4L50 + LRD340
- 5 GV4L25 + LRD325
- 6 GV4L12 + LRD313
- 7 GV4L07 + LRD12
- 8 GV4L03 + LRD07
- 9 GV4L02 + LRD07

Thermal Limit on Short-Circuit for GV4L, GV4LE

Thermal Limit in A<sup>2</sup>s

Sum of I<sup>2</sup>dt = f (prospective Isc) at 1.05 Ue = 435 V

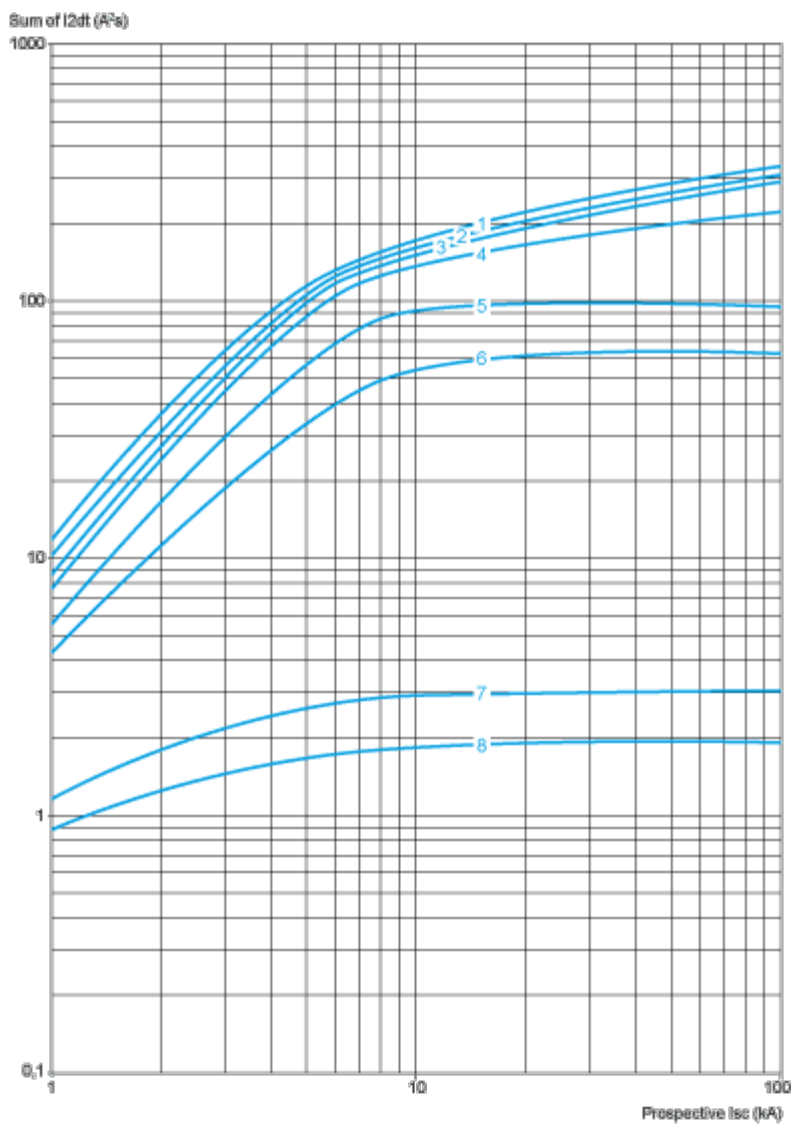


- 1 GV4L115
- 2 GV4L80
- 3 GV4L50
- 4 GV4L25
- 5 GV4L12
- 6 GV4L07
- 7 GV4L03
- 8 GV4L02

**Current Limitation on Short-Circuit for GV4L, GV4LE + Thermal Overload Relay LRD or LR9**

**Thermal Limit in kA in the Magnetic Operating Zone**

Sum of  $I^2dt = f$  (prospective Isc) at 1.05 Ue = 435 V

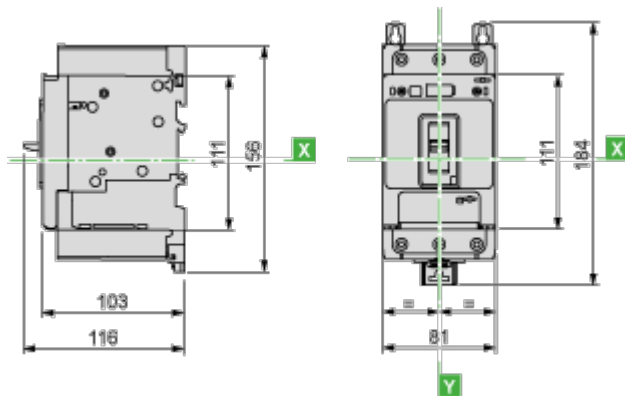


- 1 GV4L115 + LR9D5367 or LR9F5367
- 2 GV4L80 + LRD3361
- 3 GV4L50 + LRD340
- 4 GV4L25 + LRD325
- 5 GV4L12 + LRD313
- 6 GV4L07+ LRD12
- 7 GV4L03+ LRD07
- 8 GV4L02 + LRD07

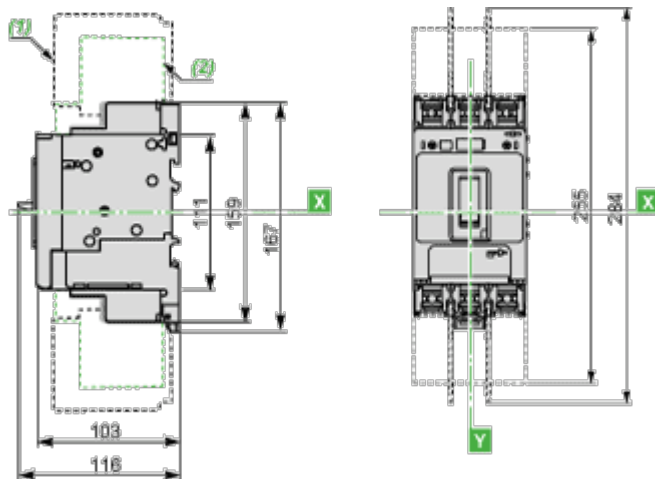
Dimensions Drawings

GV4 with Toggle: GV4LE, GV4PE, GV4PEM

With EverLink® Connector



With Crimp Lug Connector



- (1) Interphases barriers
- (2) Long terminal shield

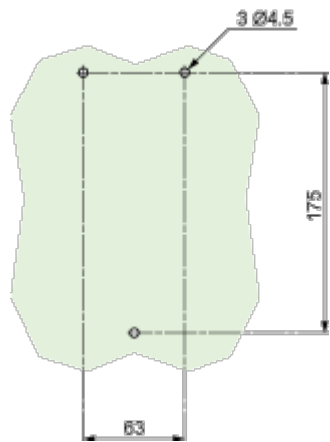
GV4 with Rotary Handle: GV4L, GV4P, or GV4LE, GV4PE, GV4PEM with GV4ADN01, GV4ADN02 Direct Mounting Rotary Handle

Dimensions

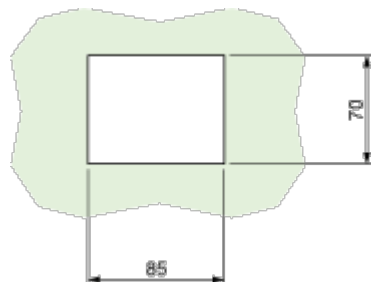


GV4L, GV4P, GV4LE, GV4PE, GV4PEM

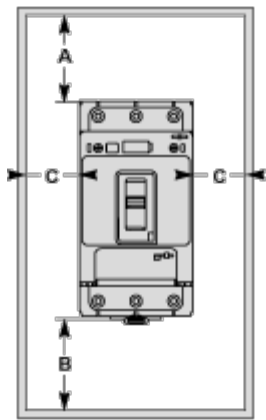
Panel Mounting with M4 Screws



Door Cut-Out for Rotary Handle



Minimum Safety Clearance



Toggle-type, rotary handle-type: identical clearance values.

| Safety Clearance (mm) |                     |   |   |                  |   |   |
|-----------------------|---------------------|---|---|------------------|---|---|
|                       | Painted Sheet Metal |   |   | Bare Sheet Metal |   |   |
|                       | A                   | B | C | A                | B | C |
| No accessory          | 30                  | 0 | 0 | 40               | 0 | 5 |
| Interphase barriers   | 0                   | 0 | 0 | 0                | 0 | 5 |
| Long terminal shield  | 0                   | 0 | 0 | 0                | 0 | 5 |

Connections and Schema

Magnetic Motor Circuit Breakers  
GV4L, GV4LE



Offer Marketing Illustration

Product benefits / Features

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The image shows a TeSys Deca Motor Circuit Breaker, a black industrial device with green terminal blocks at the top and bottom. It features a central handle and various control buttons and indicators on its front panel. The device is set against a light gray background with a green curved shape behind it.

### TeSys Deca Motor Circuit Breakers

#### Technical Benefits

- Combines a circuit breaker and overload relay in a single device.
- Gives great detection accuracy, as well as alarming and advanced protections for refs.
- Magnetic, electronic thermal-magnetic, or electronic thermal magnetic versions with advanced protection.
- Patented EverLink creep-compensating technology.
- Spring-based system ensures a long lasting connection.
- Electronic core for high-accuracy, wide settings, dual motor class 10/20.

Offer Marketing Illustration

Product benefits / Features

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### TeSys Deca

Motor Circuit Breakers





**Increase safety**

Featuring EverLink technology, double rotary contact system, and Reflex tripping mechanism to ensure your operations run smoothly and securely.



**Improve efficiency**

With a compact design, hassle-free installation with one-click spring terminal accessories, while easy monitoring with visible auxiliaries.



**Save time**

Simple to specify, install and use for all applications and easy access to facilitate maintenance on site.

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28 jul 2025

Offer Marketing Illustration

Product benefits / Features

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