



## TeSys GV3 - Motorbeveiligingsschakelaar - Thermisch/Magnetisch - 12-18A

GV3P18

EAN Code: 3389119405362

Prijs: 188,55 EUR

### Hoofd

|                           |                           |
|---------------------------|---------------------------|
| range                     | Tesys deca                |
| product name              | TeSys GV3                 |
| product or component type | Motor vermogensschakelaar |
| device short name         | GV3P                      |
| device application        | Motorbeveiliging          |
| trip unit technology      | Thermisch-magnetisch      |

### Complementair

|                                                       |                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| poles description                                     | 3P                                                                                                                                                                                                                                                                                                           |
| network type                                          | AC                                                                                                                                                                                                                                                                                                           |
| utilisation category                                  | A conform aan IEC 60947-2<br>AC-3 conform aan IEC 60947-4-1                                                                                                                                                                                                                                                  |
| netfrequentie                                         | 50/60 Hz conform aan IEC 60947-2                                                                                                                                                                                                                                                                             |
| motorvermogen kW                                      | 7,5 kW bij 400/415 V AC 50/60 Hz<br>9 kW bij 500 V AC 50/60 Hz<br>15 kW bij 690 V AC 50/60 Hz                                                                                                                                                                                                                |
| breaking capacity                                     | 100 kA Icu bij 230/240 V AC 50/60 Hz conform aan IEC 60947-2<br>100 kA Icu bij 400/415 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>12 kA Icu bij 500 V AC 50/60 Hz conform aan IEC 60947-2<br>6 kA Icu bij 690 V AC 50/60 Hz conform aan IEC 60947-2 |
| ics dienst<br>kortsluitonderbrekingsvermogen          | 100 % bij 230/240 V AC 50/60 Hz conform aan IEC 60947-2<br>100 % bij 400/415 V AC 50/60 Hz conform aan IEC 60947-2<br>100 % bij 440 V AC 50/60 Hz conform aan IEC 60947-2<br>50 % bij 500 V AC 50/60 Hz conform aan IEC 60947-2<br>50 % bij 690 V AC 50/60 Hz conform aan IEC 60947-2                        |
| control type                                          | Rotatiehendel                                                                                                                                                                                                                                                                                                |
| In toegekende stroomsterkte                           | 18 A                                                                                                                                                                                                                                                                                                         |
| instelbereik thermische<br>bescherming                | 12... 18 A conform aan IEC 60947-2                                                                                                                                                                                                                                                                           |
| magnetische uitschakelstroom                          | 252 A                                                                                                                                                                                                                                                                                                        |
| Ith conventionele thermische<br>stroom in vrije lucht | 18 A conform aan IEC 60947-2                                                                                                                                                                                                                                                                                 |
| Ue toegekende bedrijfspanning                         | 690 V AC 50/60 Hz conform aan IEC 60947-2                                                                                                                                                                                                                                                                    |
| Ui toegekende isolatiespanning                        | 690 V AC 50/60 Hz conform aan IEC 60947-2                                                                                                                                                                                                                                                                    |
| Uimp nom. schokgolfspanning                           | 6 kV conform aan IEC 60947-2                                                                                                                                                                                                                                                                                 |
| gevoeligheid voor afwezigheid<br>fase                 | Ja conform aan IEC 60947-4-1                                                                                                                                                                                                                                                                                 |

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

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| suitability for isolation    | Ja conform aan IEC 60947-1                                                         |
| vermogensdissipatie per pool | 8 W                                                                                |
| mechanical durability        | 50000 cycles                                                                       |
| elektrische duurzaamheid     | 50000 cycles voor AC-3 bij 415 V In                                                |
| nominale werking             | Ononderbroken conform aan IEC 60947-4-1                                            |
| aanspanmoment                | 5 N.m - op schroefklemaansluitklem                                                 |
| bevestigingsmethode          | 35 mm symmetrische DIN-rail: afgesneden<br>Paneel: geschroefd (met 3 schroeven M4) |
| montagepositie               | Horizontaal<br>Verticaal                                                           |
| width                        | 55 mm                                                                              |
| height                       | 132 mm                                                                             |
| depth                        | 136 mm                                                                             |
| net weight                   | 0,96 kg                                                                            |
| colour                       | Donkergrijs                                                                        |

## Omgeving

|                                       |                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| normen                                | EN/IEC 60947-2<br>EN/IEC 60947-4-1<br>UL 60947-4-1<br>CSA C22.2 Nr 60947-4-1<br>IEC/EN 60335-1:Clause 30.2<br>IEC/EN 60335-2-40:Annex JJ |
| product certifications                | CCC<br>UL<br>CSA<br>EAC<br>ATEX<br>LROS (Lloyds register of shipping)<br>BV<br>ABS<br>DNV-GL<br>UKCA                                     |
| IK beschermingsgraad                  | IK09 behuizing                                                                                                                           |
| IP beschermingsgraad                  | IP20 conform aan IEC 60529                                                                                                               |
| weerbestendigheid                     | conform aan IACS E10                                                                                                                     |
| ambient air temperature for storage   | -40...80 °C                                                                                                                              |
| vuurbestendigheid                     | 960 °C conform aan IEC 60695-2-11                                                                                                        |
| ambient air temperature for operation | -20...60 °C                                                                                                                              |
| mechanische stevigheid                | Schokken: 15 Gn gedurende 11 ms contactor open<br>Schokken: 30 Gn gedurende 11 ms contactor gesloten<br>Trillingen: 4 Gn, 5...300 Hz     |
| bedrijfshoogte                        | 3000 m                                                                                                                                   |

## Verpakkingseenheid

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 6,500 cm  |
| Package 1 Width              | 16,000 cm |
| Package 1 Length             | 14,500 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Weight             | 996,000 g |
| Unit Type of Package 2       | P06       |
| Number of Units in Package 2 | 60        |
| Package 2 Height             | 75,000 cm |
| Package 2 Width              | 60,000 cm |
| Package 2 Length             | 80,000 cm |
| Package 2 Weight             | 72,760 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 | 30                                            |
| Milieuprofiel van product (PEP)            | <a href="#">Milieuprofiel van het product</a> |

Use Better

| Materialen en verpakking          |                                      |
|-----------------------------------|--------------------------------------|
| Pakket met gerecycleerd karton    | Ja                                   |
| Verpakkingen zonder kunststof     | Ja                                   |
| <a href="#">EU-richtlijn RoHS</a> | Voldoet aan vrijstellingen           |
| SCIP-nummer                       | 2057c252-f956-4ac1-a3d9-75119bc8a000 |
| REACH-regelgeving                 | <a href="#">REACH-verklaring</a>     |

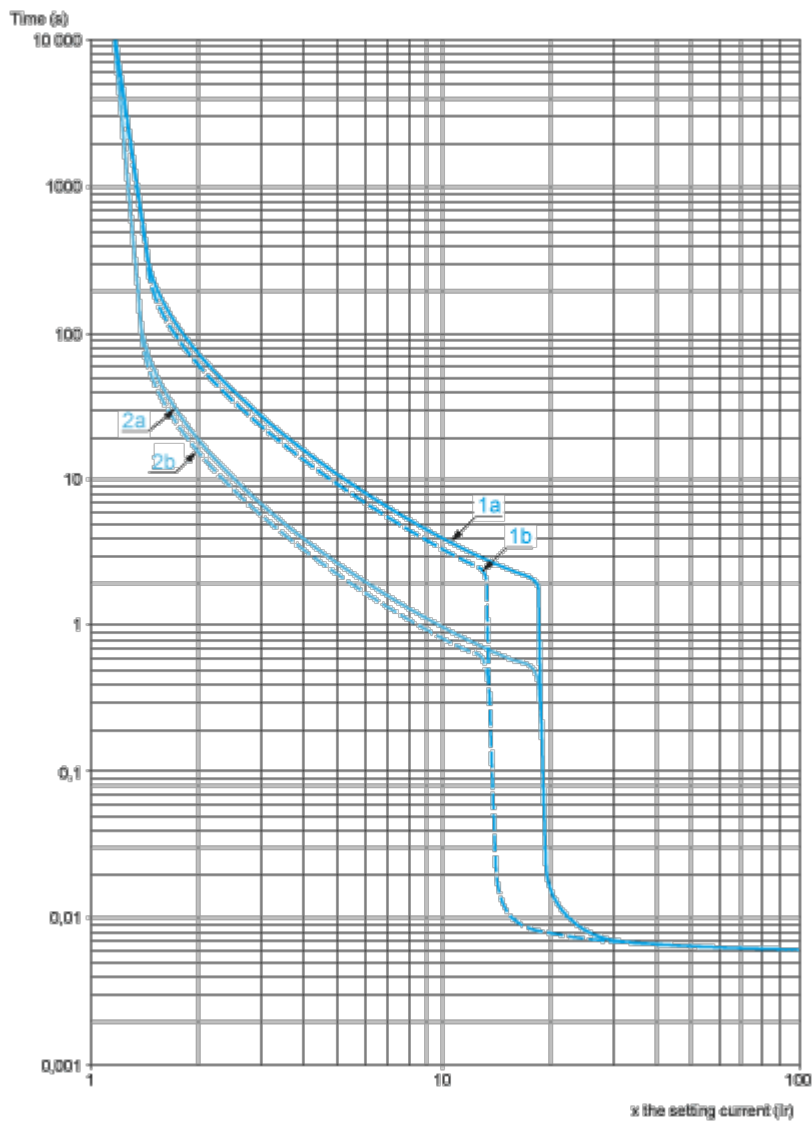
Use Again

| 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

Thermal-Magnetic Tripping Curves

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

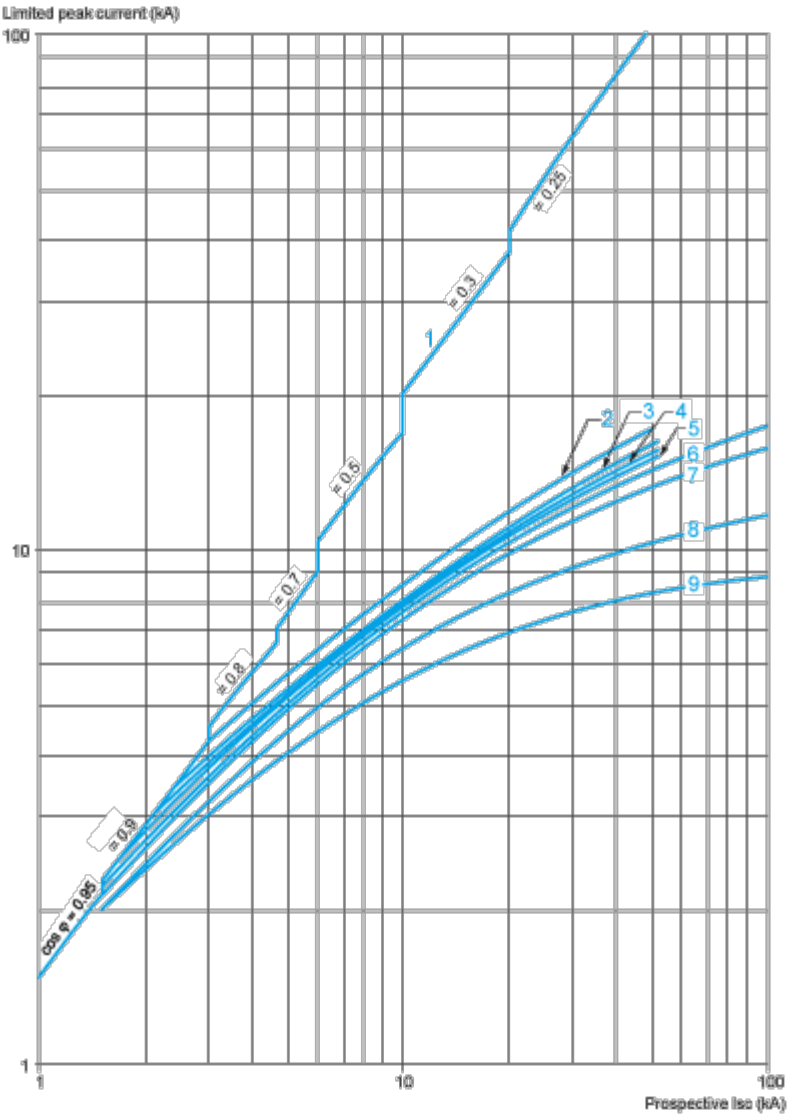


- 1a 3 poles from cold state (Ir minimum): GV3P
- 1b 3 poles from cold state (Ir maximum): GV3P
- 2a 3 poles from hot state (Ir minimum): GV3P
- 2b 3 poles from hot state (Ir maximum): GV3P

Current Limitation on Short-Circuit (3-Phase 400/415 V)

Dynamic Stress

I peak = f (prospective I<sub>sc</sub>) at 1.05 U<sub>e</sub> = 435 V



- 1 Maximum peak current
- 2 70-80 A (GV3P80), 62-73 A (GV3P73)
- 3 48-65 A (GV3P65)
- 4 37-50 A (GV3P50)
- 5 30-40 A (GV3P40)
- 6 23-32 A (GV3P32)
- 7 17-25 A (GV3P25)
- 8 12-18 A (GV3P18)
- 9 9-13 A (GV3P13)

**Maximum Thermal Limit on Short-Circuit**  
**Thermal Limit in kA<sup>2</sup>s in the Magnetic Operating Zone**  
Sum of I<sup>2</sup>dt = f (prospective Isc) at 1.05 Ue = 435 V

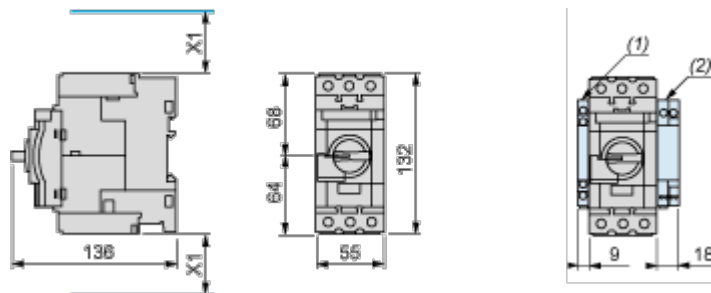


- 1 70-80 (GV3P80) - 62-73 (GV3P73)
- 2 48-65 A (GV3P65)
- 3 37-50 A (GV3P50)
- 4 30-40 A (GV3P40)
- 5 23-32 A (GV3P32)
- 6 17-25 A (GV3P25)
- 7 12-18 A (GV3P18)
- 8 9-13 A (GV3P13)

Dimensions Drawings

GV13L, GV3P

Dimensions



- (1) Blocks GVAN<sub>...</sub>, GVAD<sub>...</sub> and GVAM11.
- (2) Blocks GV3AU<sub>...</sub> and GV3AS<sub>...</sub>.

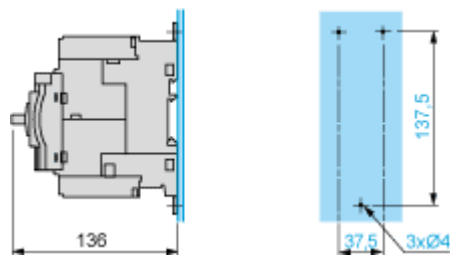
X1 = Electrical clearance (ISC max) 40 mm for Ue ≤ 500 V, 50 mm for Ue ≤ 690 V

**NOTE:** Leave a space of 9 mm between 2 circuit breakers: either an empty space or side-mounting add-on contact blocks. Side by side mounting is possible up to 40 °C.

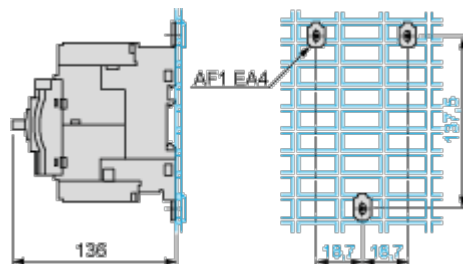
Mounting on Rail AM1 DE200 or AM1 ED201



Panel Mounting, using M4 Screws



Mounting on Pre-Slotted Plate AM1 PA





Connections and Schema

GV3P••



Offer Marketing Illustration

Product benefits / Features



### TeSys Deca Motor Circuit Breakers

Range Accessories



Auxiliary  
contact blocks



Comb busbar



Current limiter



Energy Sensor



Large  
spacing cover



Terminal block



Combination block



Extended  
rotary handle

Offer Marketing Illustration

Product benefits / Features

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### TeSys Deca

Motor Circuit Breakers



**Operation and maintenance**

Digital customer experience for technical documents and maintenance guide via EcoStruxure™ Facility Expert



**Build and commissioning**

Easier to install and operate with multi-standard screws, safe and long-lasting power connection with EverLink terminals.



**Universal Integration**

Can be used for all type of applications across industry, infrastructure and buildings.



Offer Marketing Illustration

Product benefits / Features

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The image shows a TeSys Deca Motor Circuit Breaker, a black industrial device with a green rotary handle. It is mounted on a DIN rail. The device has three main terminals on top and three on the bottom. The handle is in the 'ON' position. The Schneider logo is visible on the front face.

### TeSys Deca Motor Circuit Breakers

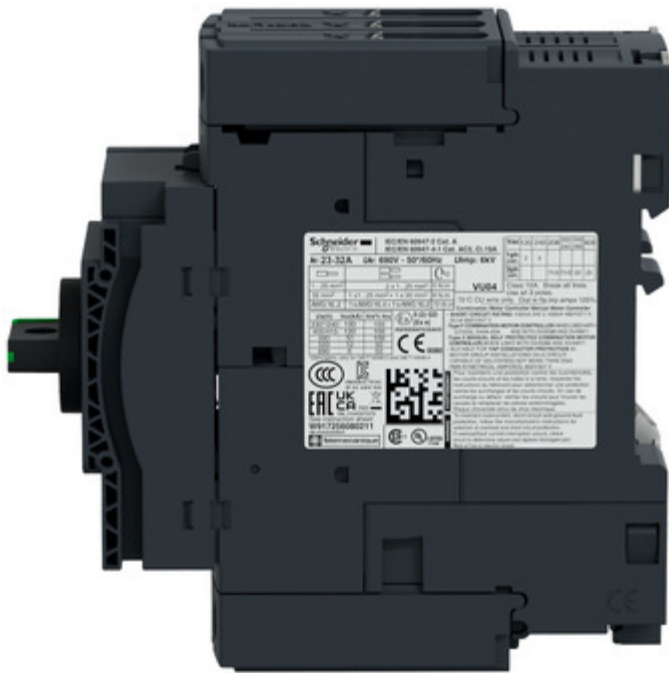
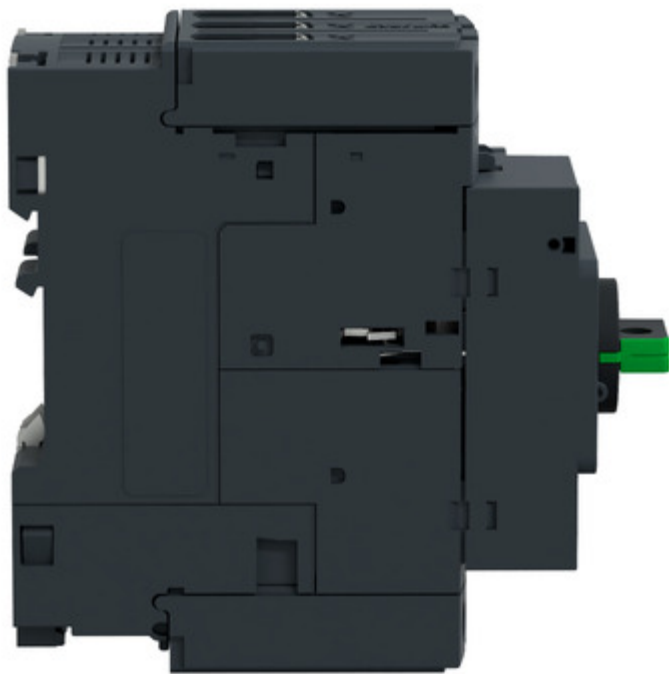
#### Technical Benefits

- Easily integrated within multiple configurations, thanks to its 55 mm standard width and mounting on DIN rail.
- 9 ratings in total
- Magnetic and thermal overload protection, covers 9 to 80 A, 7.5 to 40 hp motor with 65 kA / 480 Y Type F
- Sturdy and long-lasting power connection with EverLink terminals
- Three-position (Start/Stop/Tripped) rotary handle, front face padlocking and other accessories
- Operating temperature from -20° C to +60° C open operation

Image of product / Alternate images

Alternative

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Technical Illustration

Assembly's dimensions

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