

# Productinformatieblad

Specificaties



## Motor circuit breaker, TeSys GV3, 3P, 48-65 A, thermal magnetic, upstream EverLink terminals

GV3P651

EAN Code: 3389119412278

**Prijs: 260,55 EUR**

### Hoofd

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

### Complementair

|  |   |
|--|---|
| poles description                                  | 3P  |
| netwerk type                                       | AC  |
| utilisation category                               | A In overeenstemming met IEC 60947-2<br>AC-3 In overeenstemming met IEC 60947-4-1   |
| netfrequentie                                      | 50/60 Hz In overeenstemming met IEC 60947-2   |
| motorvermogen kW                                   | 30 kW om 400/415 V AC 50/60 Hz<br>45 kW om 500 V AC 50/60 Hz<br>55 kW om 690 V AC 50/60 Hz  |
| breaking capacity                                  | 100 kA Icu om 230/240 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>50 kA Icu om 400/415 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>50 kA Icu om 440 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>12 kA Icu om 500 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>6 kA Icu om 690 V AC 50/60 Hz In overeenstemming met IEC 60947-2 |
| ics dienst kortsluitonderbrekingsvermogen          | 100 % om 230/240 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>100 % om 400/415 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>100 % om 440 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>50 % om 500 V AC 50/60 Hz In overeenstemming met IEC 60947-2<br>50 % om 690 V AC 50/60 Hz In overeenstemming met IEC 60947-2                       |
| control type                                       | Rotatiehendel   |
| In toegekende stroomsterkte                        | 65 A  |
| instelbereik thermische bescherming                | 48...65 A In overeenstemming met IEC 60947-2  |
| magnetische uitschakelstroom                       | 910 A   |
| Ith conventionele thermische stroom in vrije lucht | 65 A In overeenstemming met IEC 60947-2   |
| Ue toegekende bedrijfspanning                      | 690 V AC 50/60 Hz In overeenstemming met IEC 60947-2  |
| Ui toegekende isolatiespanning                     | 690 V AC 50/60 Hz In overeenstemming met IEC 60947-2  |
| Uimp nom. schokgolfspanning                        | 6 kV In overeenstemming met IEC 60947-2   |
| gevoeligheid voor afwezigheid fase                 | Ja In overeenstemming met IEC 60947-4-1   |
| suitability for isolation                          | Ja In overeenstemming met IEC 60947-1   |

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

|                              |  |
|------------------------------|--|
| vermogensdissipatie per pool | 8 W  |
| mechanical durability        | 50000 cycles   |
| elektrische duurzaamheid     | 50000 cycles voor AC-3 om 415 V In   |
| nominale werking             | Ononderbroken In overeenstemming met 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   |
| breedte                      | 55 mm  |
| hoogte                       | 132 mm   |
| diepte                       | 136 mm   |
| gewicht product              | 0,96 kg  |
| kleur                        | 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:Punt 30.2<br>IEC/EN 60335-2-40:Bijlage 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 In overeenstemming met IEC 60529  |
| weerbestedigheid                      | In overeenstemming met IACS E10  |
| ambient air temperature for storage   | -40...80 °C  |
| vuurbestedigheid                      | 960 °C In overeenstemming met 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

|                                 |           |
|---------------------------------|-----------|
| Eenheidstype van verpakking 1   | PCE       |
| Aantal eenheden in verpakking 1 | 1         |
| verpakking 1 hoogte             | 6,500 cm  |
| verpakking 1 breedte            | 14,700 cm |
| verpakking 1 lengte             | 16,000 cm |
| verpakking_1_gewicht            | 938,000 g |

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|                                 |           |
|---------------------------------|-----------|
| Eenheidstype van verpakking 2   | S06       |
| Aantal eenheden in verpakking 2 | 60        |
| verpakking 2 hoogte             | 75,000 cm |
| verpakking 2 breedte            | 60,000 cm |
| verpakking 2 lengte             | 80,000 cm |
| verpakking 2 gewicht            | 66,244 kg |

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## contractuele waarborg

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|                       |    |
|-----------------------|----|
| Garantie (in maanden) | 18 |
|-----------------------|----|

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? >](#)

### Milieuoetafdruk

|   |   |
|---|---|
| Totale levenscyclus ecologische voetafdruk              | 30 kg CO2 eq.                                 |
| Koolstofvoetafdruk van de fabricagefase [A1–A3]         | 5 kg CO2 eq.                                  |
| Koolstofvoetafdruk van de distributiefase [A4]          | 0.3 kg CO2 eq.                                |
| Koolstofvoetafdruk van de installatiefase [A5]          | 0.1 kg CO2 eq.                                |
| Koolstofvoetafdruk van de gebruiksfase [B2, B3, B4, B6] | 21 kg CO2 eq.                                 |
| Koolstofvoetafdruk van de einde-levensfase [C1–C4]      | 3 kg CO2 eq.                                  |
| Milieu Profiel  | <a href="#">Milieuprofiel van het product</a> |

### Use Better

#### Materialen en verpakking

|                                |  |
|--------------------------------|--|
| Pakket met gerecycleerd karton | Ja   |
| Verpakkingen zonder kunststof  | Ja   |
| SCIP-nummer                    | 2057c252-f956-4ac1-a3d9-75119bc8a000   |
| RoHS-richtlijn van de EU       | <a href="#">Conform door vrijstelling</a>  |
| REACH-verordening              | <a href="#">Referentie bevat zorgwekkende stoffen (SVHC) boven drempelwaarde</a> |

### Use Longer

#### Levensduurverlenging

|           |     |
|-----------|-----|
| Reparatie | Nee |
|-----------|-----|

### Use Again

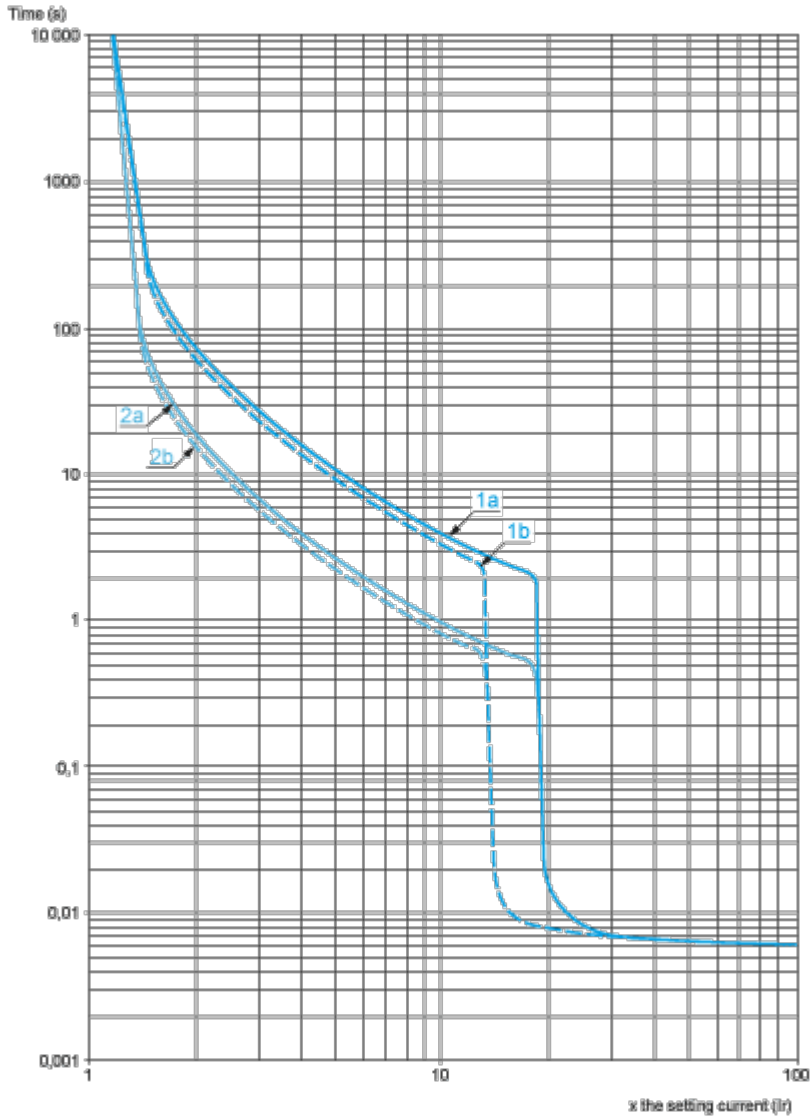
#### Herverpakken en herfabriceren

|  |  |
|--|--|
| Percentage mogelijke recycleerbaarheid | 58   |
| 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 terecht komen. |

Performance Curves

**Thermal-Magnetic Tripping Curves**

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

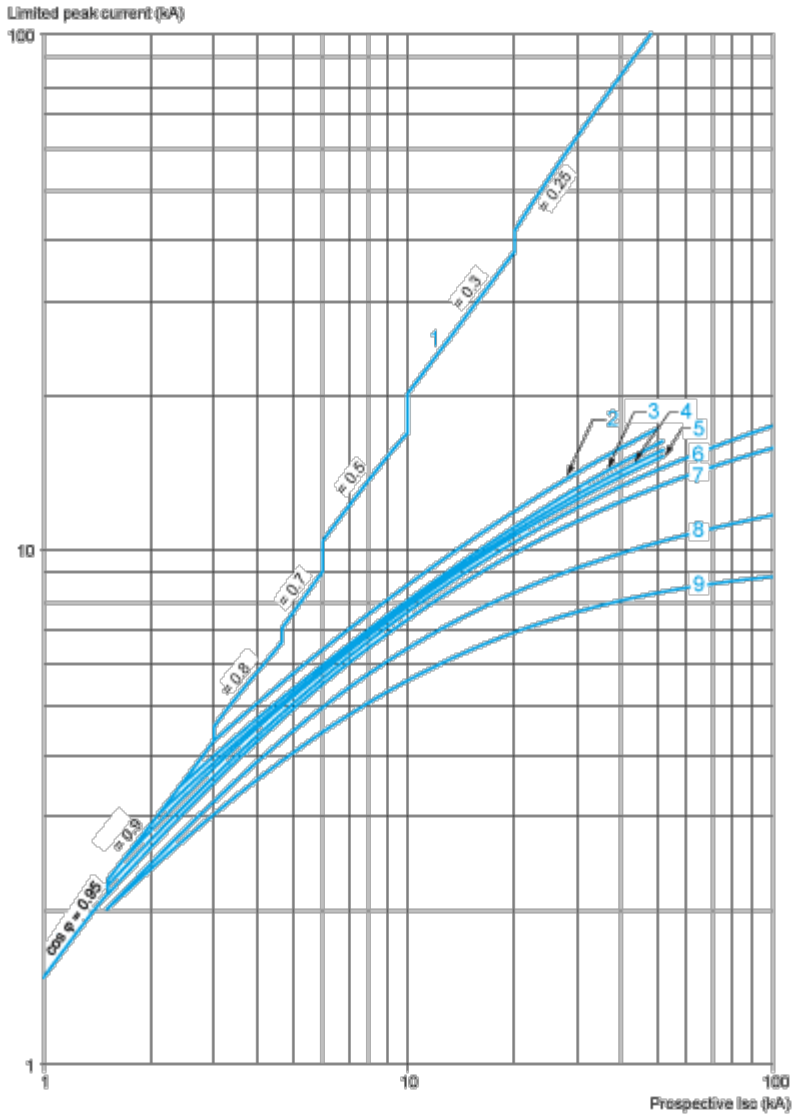


- 1a 3 poles from cold state (I<sub>r</sub> minimum): GV3P
- 1b 3 poles from cold state (I<sub>r</sub> maximum): GV3P
- 2a 3 poles from hot state (I<sub>r</sub> minimum): GV3P
- 2b 3 poles from hot state (I<sub>r</sub> maximum): GV3P

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

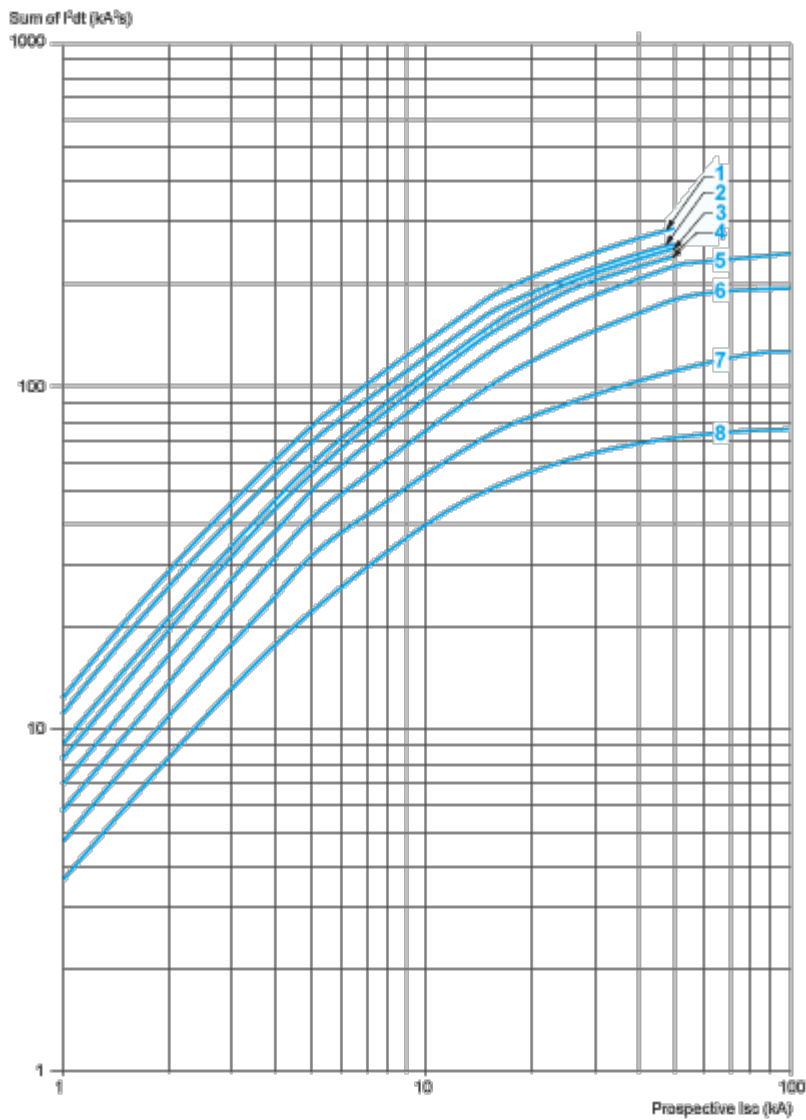
**Dynamic Stress**

I<sub>peak</sub> = 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  $kA^2s$  in the Magnetic Operating Zone  
 Sum of  $I^2dt = f$  (prospective Isc) at 1.05 Ue = 435 V

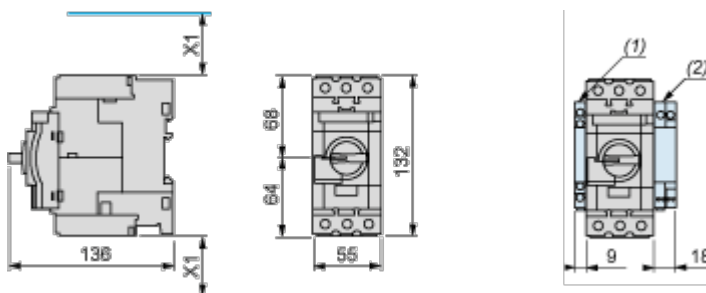


- 1 70-80 (GV3P80) - 62-73 (GV3P73)
- 2 48-65 A (GV3P65)
- 3 37-50 A (GV3P50)
- 4 30-40 A (GV3P40)
- 5 23-32 A (GV3P32)
- 6 17-25 A (GV3P25)
- 7 12-18 A (GV3P18)
- 8 9-13 A (GV3P13)

Dimensions Drawings

GVI3L, GV3P

Dimensions



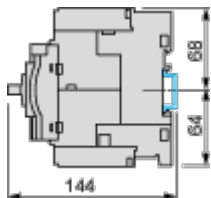
(1) Blocks GVAN<sub>●●</sub>, GVAD<sub>●●</sub> and GVAM11.

(2) Blocks GV3AU<sub>●●</sub> and GV3AS<sub>●●</sub>.

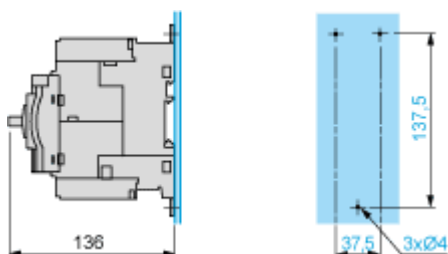
X1 = Electrical clearance (ISC max) 40 mm for Ue ≤ 500 V, 50 mm for Ue ≤ 690 V

**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.

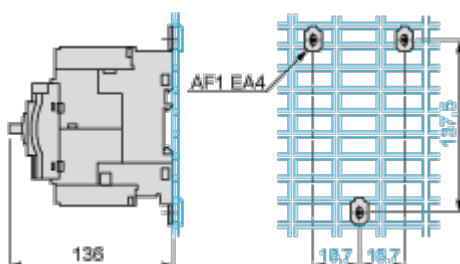
Mounting on Rail AM1 DE200 or AM1 ED201



Panel Mounting, using M4 Screws



Mounting on Pre-Slotted Plate AM1 PA

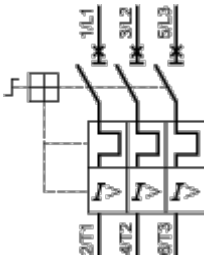




Connections and Schema

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GV3P••



Offer Marketing Illustration

Product benefits / Features

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## TeSys Deca Motor Circuit Breakers

### Range Accessories



Auxiliary  
contact blocks



Comb busbar



Current limiter



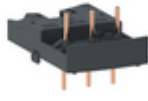
Energy Sensor



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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## 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

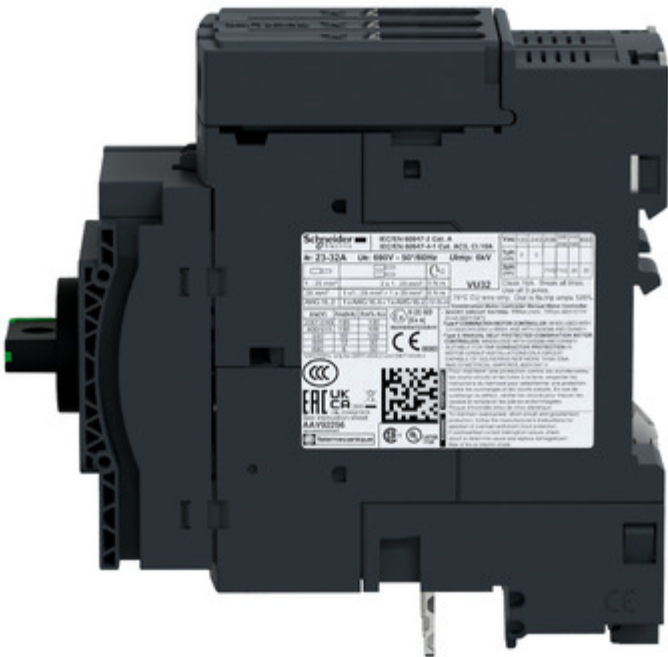
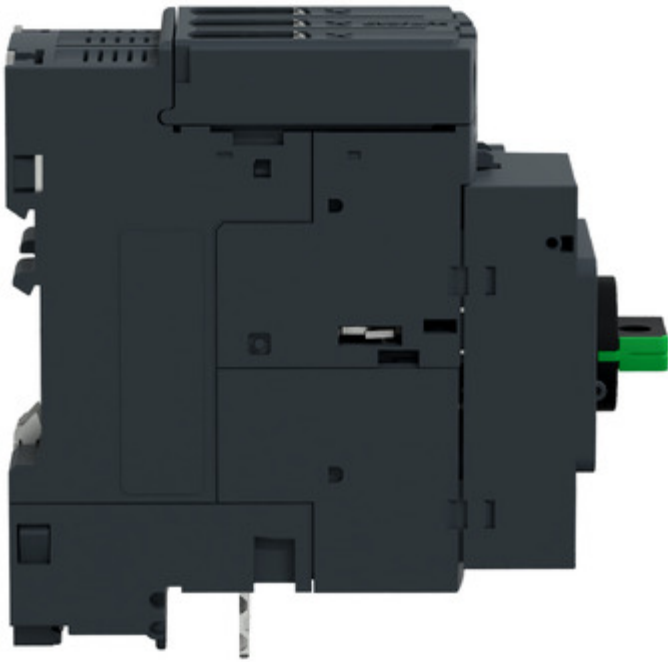
Three-position (Start/Stop/Tripped) rotary handle, front face padlocking and other accessories

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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