



Motor circuit breaker, TeSys Deca frame 3,3P,32A, magnetic, rotary handle, EverLink terminals

GV3L32

Main

| Range | TeSys Deca |
|---------------------------|-------------------------|
| Product name | TeSys GV3 TeSys Deca |
| product or component type | Motor circuit breaker |
| Device short name | GV3L |
| Device application | Motor protection |
| Trip unit technology | Magnetic |

Complementary

| Joinpromontar y | |
|---|---|
| poles description | 3P |
| Network type | AC |
| Utilisation category | Category A conforming to IEC 60947-2 |
| Network frequency | 50/60 Hz |
| Fixing mode | 35 mm symmetrical DIN rail: clipped Panel: screwed (with 3 x M4 screws) |
| Motor power kW | 15 kW at 400/415 V AC 50/60 Hz 18.5 kW at 500 V AC 50/60 Hz 22 kW at 690 V AC 50/60 Hz |
| Breaking capacity | 100 kA Icu at 230/240 V AC 50/60 Hz 100 kA Icu at 400/415 V AC 50/60 Hz 50 kA Icu at 440 V AC 50/60 Hz 12 kA Icu at 500 V AC 50/60 Hz 6 kA Icu at 690 V AC 50/60 Hz |
| [lcs] rated service short-circuit breaking capacity | 100 % at 230/240 V AC 50/60 Hz 100 % at 400/415 V AC 50/60 Hz 100 % at 440 V AC 50/60 Hz 50 % at 500 V AC 50/60 Hz 50 % at 690 V AC 50/60 Hz |
| Control type | Rotary handle |
| [In] rated current | 32 A |
| Magnetic tripping current | 448 A |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-1 |
| Power dissipation per pole | 8 W |
| Mechanical durability | 50000 cycles |

| Electrical durability | 50000 cycles for AC-3 at 415 V In | |
|-----------------------|-----------------------------------|--|
| Tightening torque | 5 N.m - on screw clamp terminal | |
| Width | 55 mm | |
| Height | 132 mm | |
| Depth | 136 mm | |
| net weight | 0.96 kg | |
| Colour | Dark grey | |

Environment

| Product certifications | CCC |
|---------------------------------------|--|
| | UL |
| | CSA |
| | EAC |
| | LROS (Lloyds register of shipping) |
| | BV |
| | ABS |
| | DNV-GL |
| | UKCA |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Climatic withstand | conforming to IACS E10 |
| ambient air temperature for storage | -4080 °C |
| Fire resistance | 960 °C conforming to IEC 60695-2-11 |
| Ambient air temperature for operation | -2060 °C |
| Mechanical robustness | Shocks: 15 Gn for 11 ms contactor open |
| | Shocks: 30 Gn for 11 ms contactor closed |
| | Vibrations: 4 Gn, 5300 Hz |
| Operating altitude | 3000 m |

Packing Units

| 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 | 989.000 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 | 72.340 kg |

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

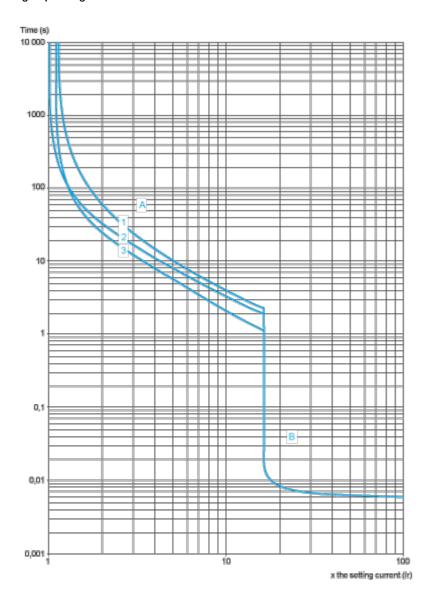
| ⊘ | Reach Free Of Svhc | |
|----------|----------------------------|-----|
| ⊘ | Mercury Free | |
| ⊘ | Rohs Exemption Information | Yes |

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |

Performance Curves

Tripping Curves for GV3L Combined with Thermal Overload Relay LRD33 Average Operating time at 20 °C without Prior Current Flow

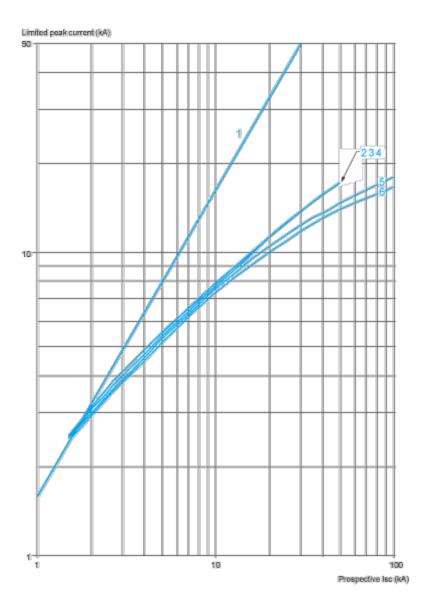


- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state
- A Thermal overload relay protection zone
- B GV3L protection zone

Current Limitation on Short-Circuit for GV3L (3-Phase 400/415 V)

Dynamic Stress

I peak = f (prospective lsc) at 1.05 Ue = 435 V

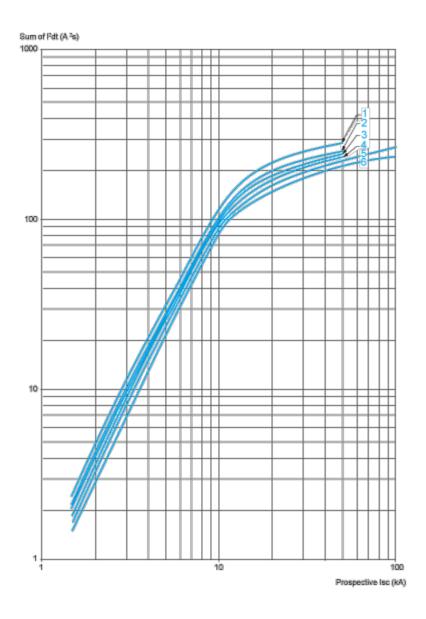


- 1 Maximum peak current
- 2 GV3L80 GV3L73 GV3L65
- 3 GV3L50
- 4 GV3L40
- 5 GV3L32
- 6 GV3L25

Thermal Limit on Short-Circuit for GV3L

Thermal Limit in A²s

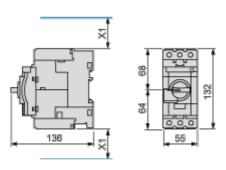
Sum of I^2 dt = f (prospective Isc) at 1.05 Ue = 435 V

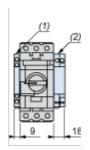


- 1 GV3L73 GV3L80
- 2 GV3L65
- 3 GV3L50
- 4 GV3L40
- 5 GV3L32
- 6 GV3L25

Dimensions Drawings

GV3L, GV3P Dimensions



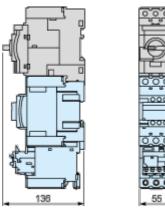


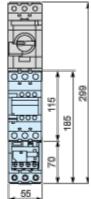
- (1) Blocks $\text{GVAN}_{\bullet \bullet}$, $\text{GVAD}_{\bullet \bullet}$ and GVAM11.
- (2) Blocks GV3AU and GV3AS.

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 with Tesys contactor LC1D40A...D80A and relay LR3D313...380 (1)(2)(3)

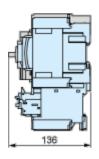


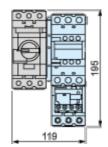


- (1) Mountings with c.b. up to GV3L73, GV3P73.
- (2) For GV3L80, GV3P80 use cable between components for dissipating heat. Consult online datasheets for values.
- (3) S-shape busbar system suitable up to 73 A.

Side by side mounting with Tesys contactor LC1D40A...D73A (S-shape busbar system GV3S⁽¹⁾)

Product datasheet



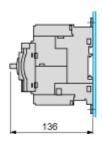


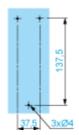
(1) Mountings with c.b. up to GV3L73, GV3P73.

Mounting on Rail AM1 DE200 or AM1 ED201

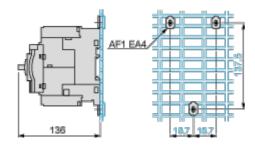


Panel Mounting, using M4 Screws

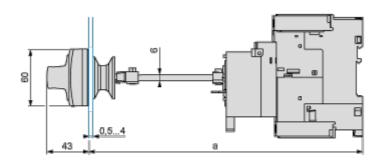


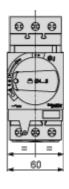


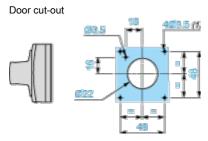
Mounting on Pre-Slotted Plate AM1 PA



Mounting of External Operator GV3APN01, GV3APN02 or GV3APN04 for Motor Circuit Breakers GV3L

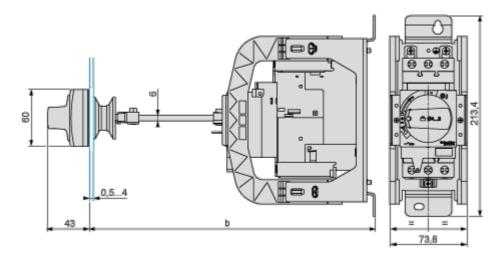




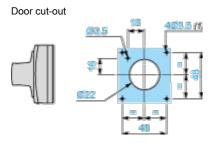


(1) For IP65 only.

Mounting of External Operator GVAPH03 for Motor Circuit Breakers GV3L



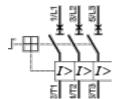
| | b | |
|--|---------|---------|
| | Minimum | Maximum |
| GV3APN + GVAPH03 | 200 | 300 |
| GV3APN _{●●} + GVAPH03 + GVAPK12 | 300 | 492 |



(1) For IP65 only.

Connections and Schema

GV3L••



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



16 Oct 2024

Offer Marketing Illustration

Product benefits / Features

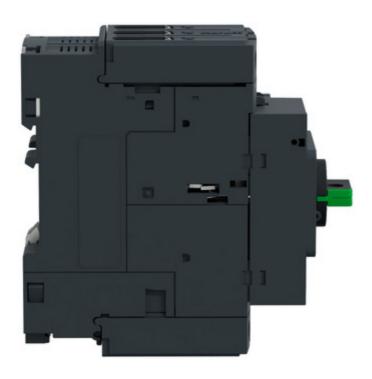


Product datasheet

GV3L32

Image of product / Alternate images

Alternative





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