Specifications





Motor circuit breaker, TeSys GV3, 3P, 25 A, magnetic, rotary handle, EverLink terminals

GV3L25

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

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	11 kW at 400/415 V AC 50/60 Hz
	15 kW at 500 V AC 50/60 Hz
	18.5 kW at 690 V AC 50/60 Hz
Breaking capacity	100 kA lcu at 230/240 V AC 50/60 Hz
	100 kA lcu at 400/415 V AC 50/60 Hz
	50 kA Icu at 440 V AC 50/60 Hz
	12 kA lcu at 500 V AC 50/60 Hz
	6 kA lcu at 690 V AC 50/60 Hz
[Ics] rated service short-circuit	100 % at 230/240 V AC 50/60 Hz
breaking capacity	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	25 A
Magnetic tripping current	350 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	16.000 cm
Package 1 Width	6.500 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

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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

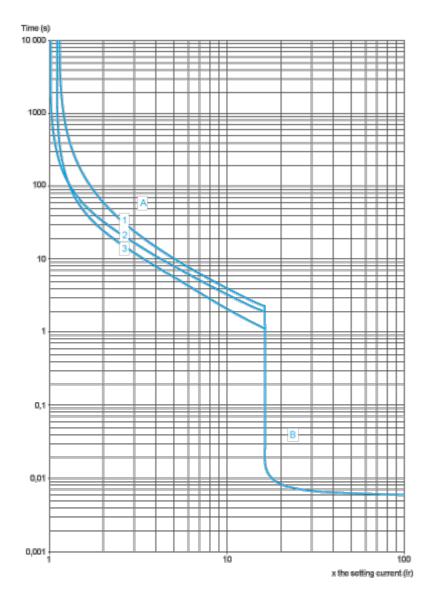
Well-being performance

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

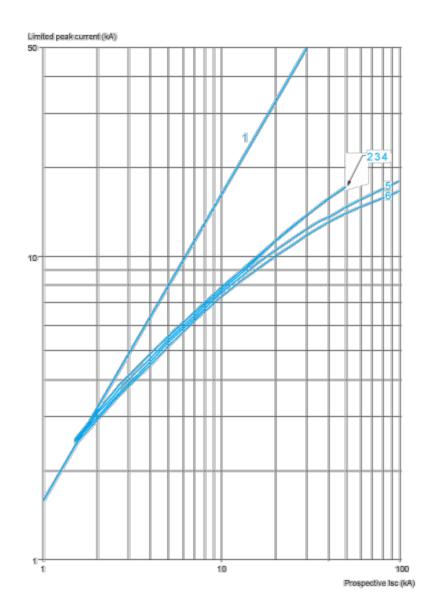


Tripping Curves for GV3L Combined with Thermal Overload Relay LRD33 Average Operating time at 20 °C without Prior Current Flow

- 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 Isc) at 1.05 Ue = 435 V

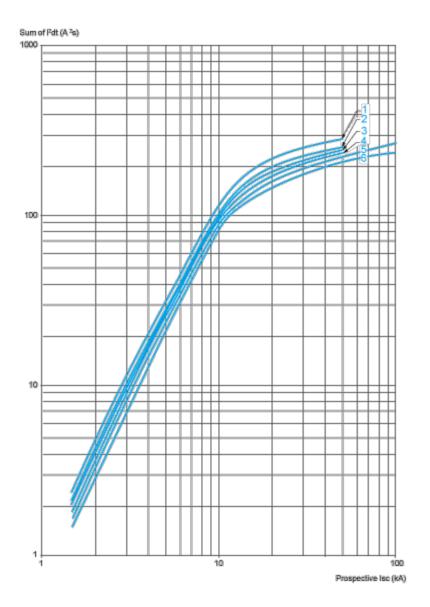


- 1 Maximum peak current
- 2 GV3L80 GV3L73 GV3L65
- 3 GV3L50
- 4 GV3L40
- 5 GV3L32
- 6 GV3L25

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

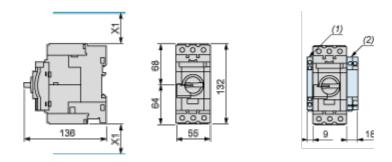


- 1 GV3L73 GV3L80
- 2 GV3L65
- 3 GV3L50
- 4 GV3L40
- 5 GV3L32
- 6 GV3L25

Dimensions Drawings

GV3L, GV3P

Dimensions

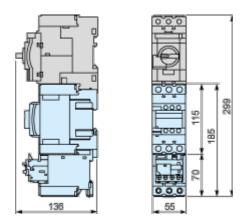


- (1) Blocks $\text{GVAN}_{\bullet\bullet}$, $\text{GVAD}_{\bullet\bullet}$ and GVAM11.
- (2) Blocks $GV3AU_{\bullet\bullet}$ and $GV3AS_{\bullet\bullet}$.

X1 = Electrical clearance (ISC max) 40 mm for Ue \leq 500 V, 50 mm for Ue \leq 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.

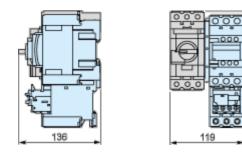
Mounting with Tesys contactor LC1D40A...D80A and relay LR3D313...380 (1)(2)(3)



- (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 $GV3S^{(1)}$)

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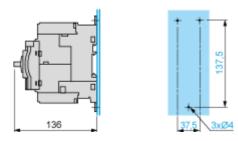


(1) Mountings with c.b. up to GV3L73, GV3P73.

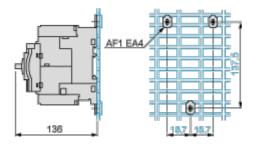
Mounting on Rail AM1 DE200 or AM1 ED201



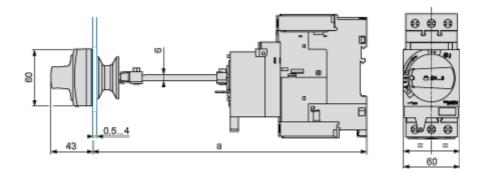
Panel Mounting, using M4 Screws

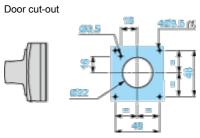


Mounting on Pre-Slotted Plate AM1 PA



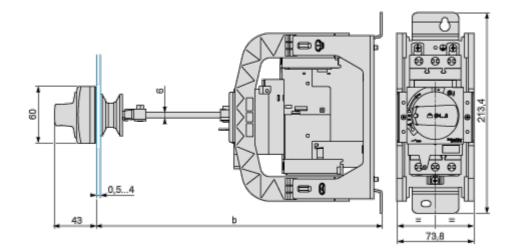
Mounting of External Operator GV3APN01, GV3APN02 or GV3APN04 for Motor Circuit Breakers GV3L





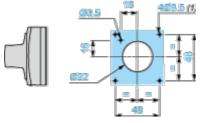
(1) For IP65 only.

Mounting of External Operator GVAPH03 for Motor Circuit Breakers GV3L



	b	
	Minimum	Maximum
GV3APN	200	300
GV3APN	300	492

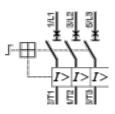
Door cut-out



(1) For IP65 only.

Connections and Schema

GV3L••



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features











Large spacing cover

Terminal block Combination block

Extended rotary handle

Image of product / Alternate images

Alternative

