Productinformatieblad

Specificaties

TeSys GV4 - Vermogensschakelaar - Magnetisch - 80A - 3P - Kabelschoen

GV4LE80S6

EAN Code: 3606481310057

Prijs: 395,40 EUR

Hoofd

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

Complementair

poles description	3P
utilisation category	A conform aan IEC 60947-2 AC-3 conform aan IEC 60947-4-1
bedieningspositie	Eender welke positie
motorvermogen kW	37 kW bij 400...415 V AC 50/60 Hz 45 kW bij 500 V AC 50/60 Hz 55 kW bij 500 V AC 50/60 Hz 22 kW bij 400...415 V AC 50/60 Hz 30 kW bij 500 V AC 50/60 Hz 37 kW bij 660...690 V AC 50/60 Hz 45 kW bij 660...690 V AC 50/60 Hz 55 kW bij 660...690 V AC 50/60 Hz 30 kW bij 400...415 V AC 50/60 Hz 37 kW bij 500 V AC 50/60 Hz
breaking capacity	120 kA Icu bij 220...240 V AC 50/60 Hz conform aan IEC 60947-2 100 kA Icu bij 380...415 V AC 50/60 Hz conform aan IEC 60947-2 70 kA Icu bij 440 V AC 50/60 Hz conform aan IEC 60947-2 30 kA Icu bij 500 V AC 50/60 Hz conform aan IEC 60947-2 18 kA Icu bij 525 V AC 50/60 Hz conform aan IEC 60947-2 10 kA Icu bij 660...690 V AC 50/60 Hz conform aan IEC 60947-2
control type	Omschakelen
In toegekende stroomsterkte	80 A
magnetische uitschakelstroom	480…1120 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
vermogensdissipatie per pool	6,1 W

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

mechanical durability	40000 cycles
elektrische duurzaamheid	14000 cycles voor AC-3 bij 440 V In/2 7000 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 35 mm met verbreders
aansluitingen - aansluitklemmen	Schoenen-ringklemmen
aanspanmoment	9 N.m voor kabel 16…95 mm² 5 N.m voor kabel 1,5…10 mm²
mechanische stevigheid	Trillingen: +/- 1 mm 2...13,2 Hz conform aan IEC 60068-2-6 Trillingen: 0.7 gn 13,2...100 Hz conform aan IEC 60068-2-6 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 60947-2 EN/IEC 60947-4-1
product certifications	IEC CCC EAC 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	16,500 cm
Package 1 Width	11,000 cm
Package 1 Length	22,000 cm
Package 1 Weight	1,436 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	7,558 kg

contractuele waarborg

Garantie	18 months

Environmental Data

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	**114**
Milieuprofiel van product (PEP)	**Milieuprofiel van het product**

Use Better

Materialen en verpakking

Pakket met gerecycleerd karton	**Ja**
Verpakkingen zonder kunststof	**Nee**
EU-richtlijn RoHS	**Voldoet**
SCIP-nummer	**1b259a2c-3a3c-401a-acdd-f0837efd4018**
REACh-regelgeving	**REACh-verklaring**
Halogeenvrije status	**Product met halogeenvrije kunststof onderdelen**
PVC-vrij	**Ja**

Use Again

Herverpakken en herfabriceren

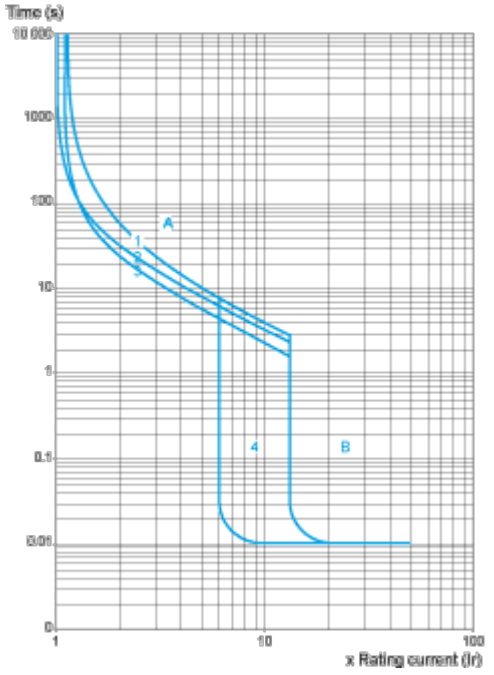
Circulair Profiel	**Informatie over einde levensduur**
Terugname	**No**
WEEE Label	**Het product moet op markten van de Europese Unie worden afgevoerd volgens specifieke afvalinzamelingsregels en mag nooit in een gewone vuilnisbak terechtkomen.**

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

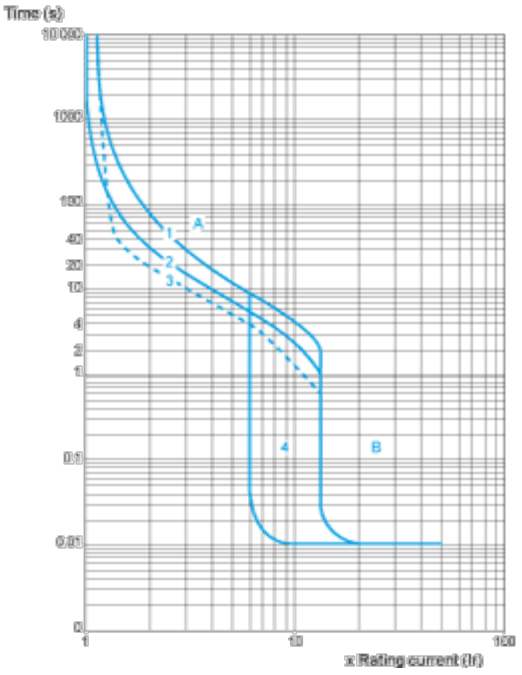
3 3 poles from hot state

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

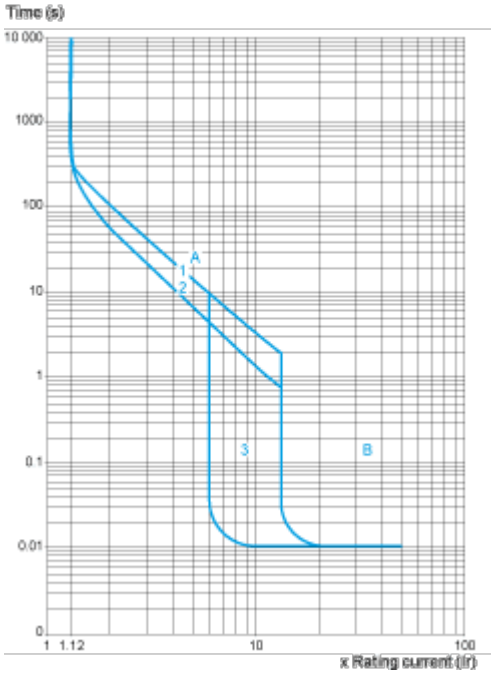
3 3 poles from hot state

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

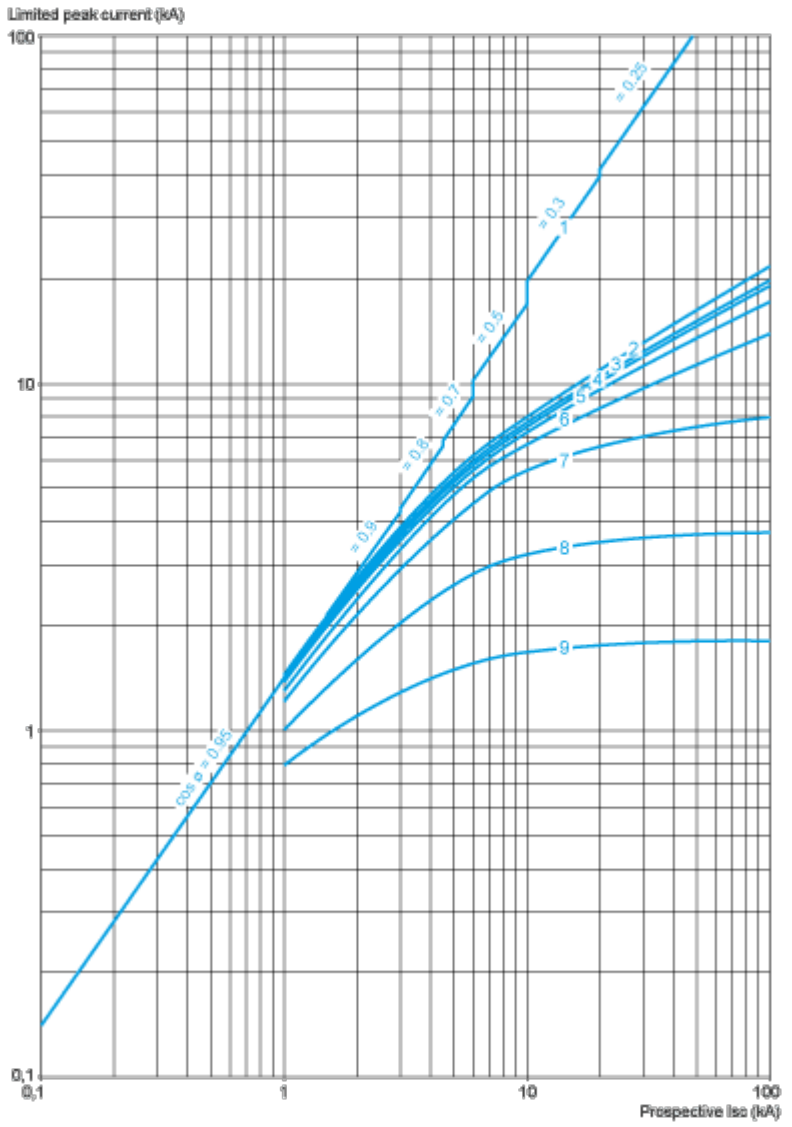
2 Hot state curve

3 6...14 Ir

Current Limitation on Short-Circuit for GV4L, GV4LE (3-Phase 400/415 V)

Dynamic Stress

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



1 Maximum peak current

2 GV4L115

3 GV4L80

4 GV4L50

5 GV4L25

6 GV4L12

7 GV4L07

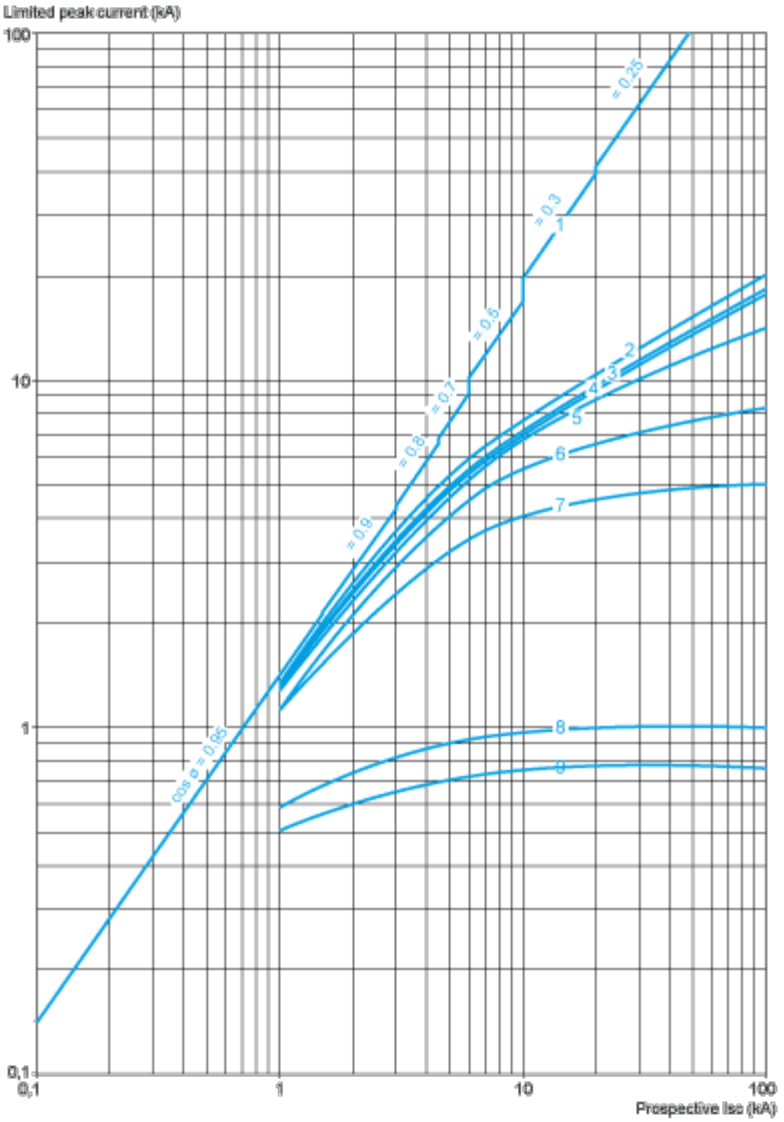
8 GV4L03

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 (prospective Isc) at 1.05 Ue = 435 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

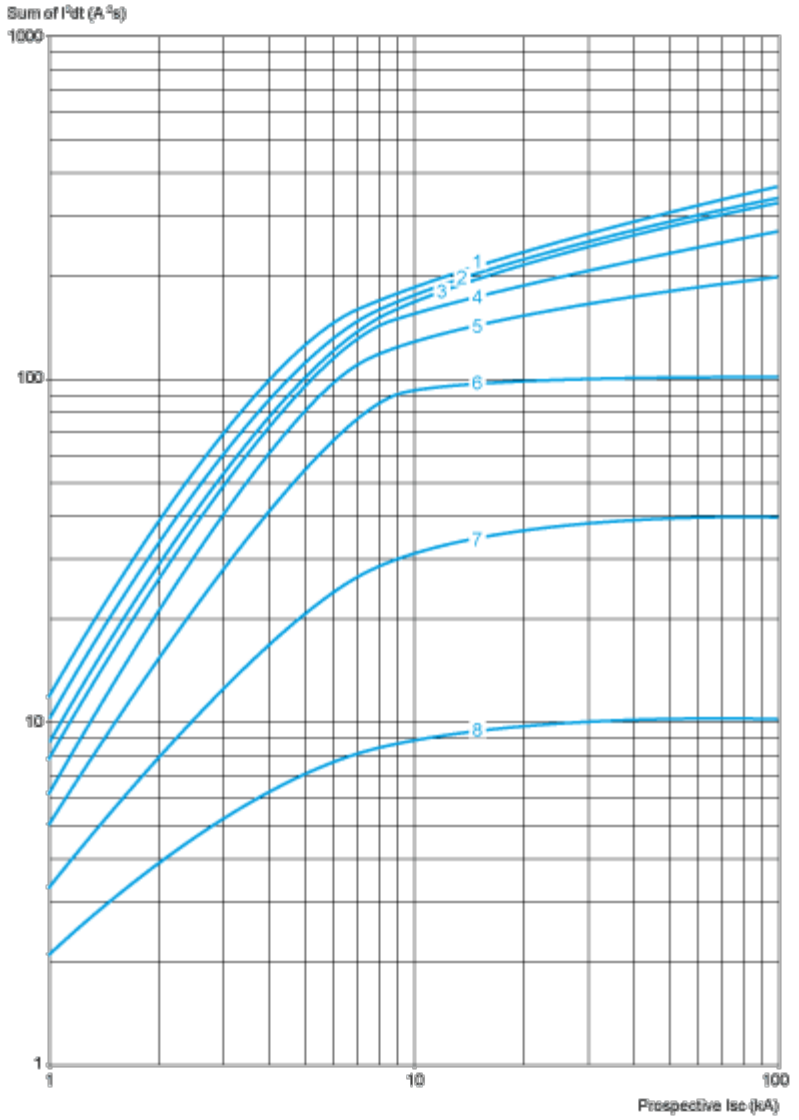
8 GV4L03 + LRD07

9 GV4L02 + LRD07

Thermal Limit on Short-Circuit for GV4L, GV4LE

Thermal Limit in A^2s

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



1 GV4L115

2 GV4L80

3 GV4L50

4 GV4L25

5 GV4L12

6 GV4L07

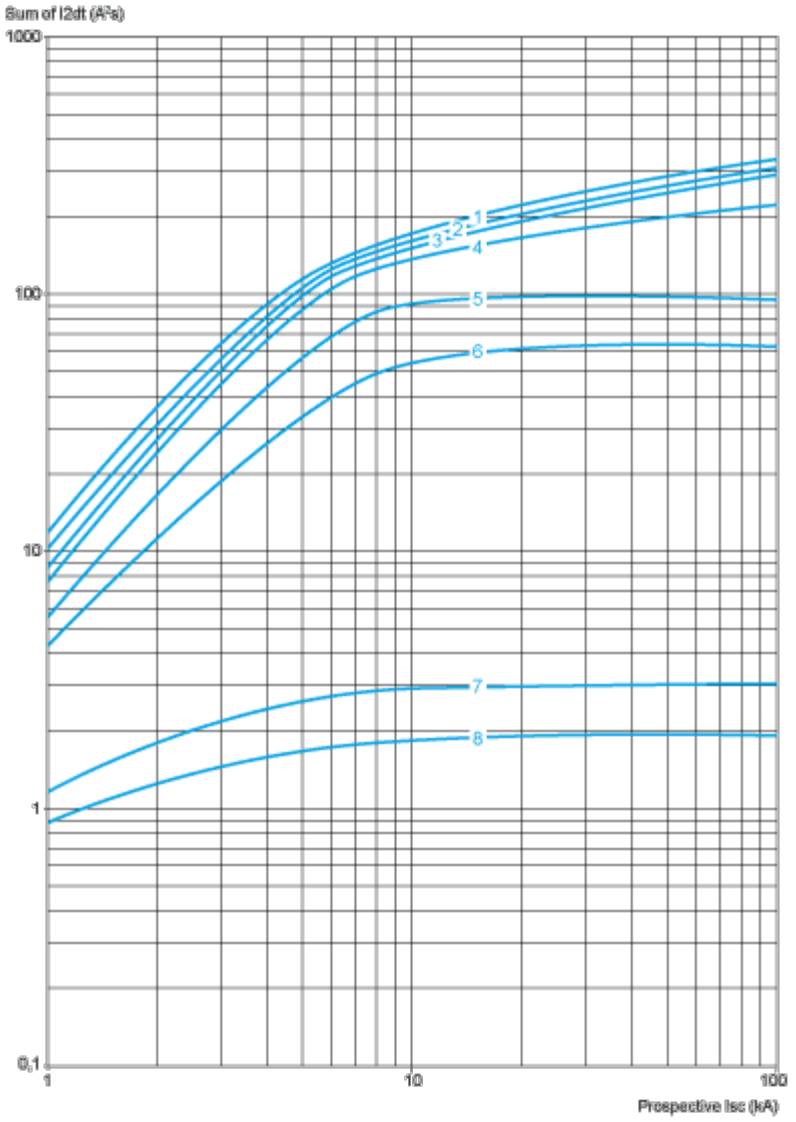
7 GV4L03

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

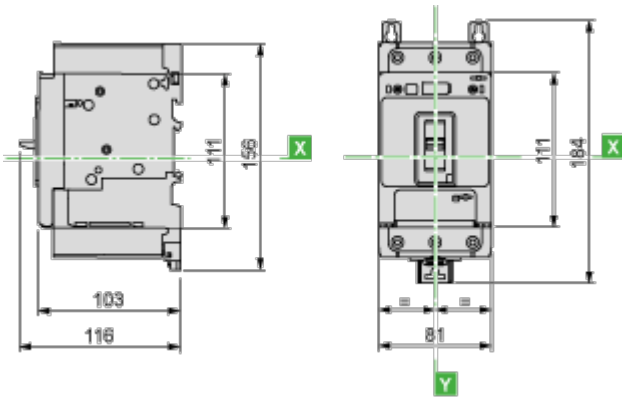
7 GV4L03+ LRD07

8 GV4L02 + LRD07

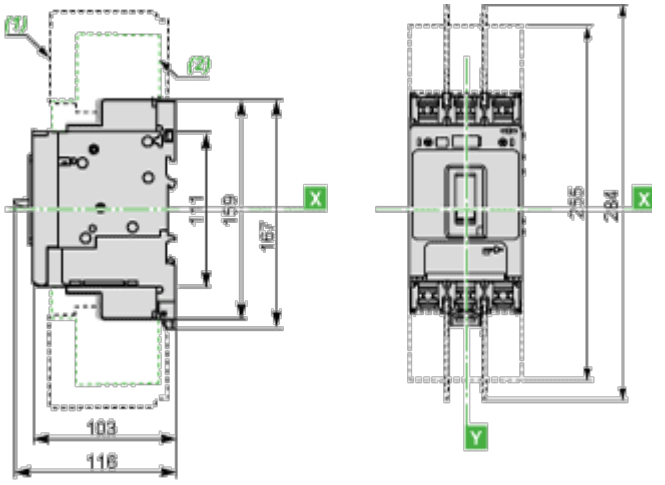
Dimensions Drawings

GV4 with Toggle: GV4LE, GV4PE, GV4PEM

With EverLink® Connector



With Crimp Lug Connector

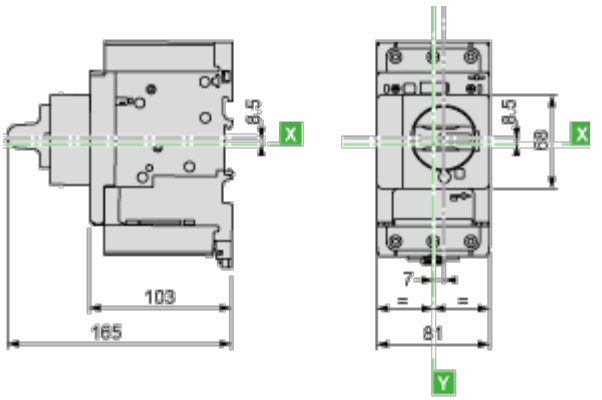


(1) Interphases barriers

(2) Long terminal shield

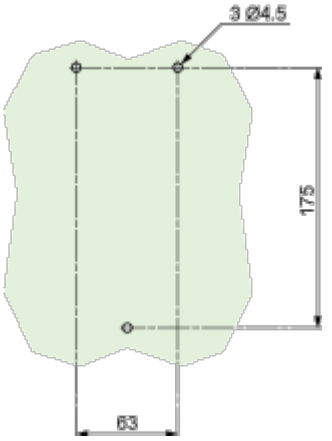
GV4 with Rotary Handle: GV4L, GV4P, or GV4LE, GV4PE, GV4PEM with GV4ADN01, GV4ADN02 Direct Mounting Rotary Handle

Dimensions

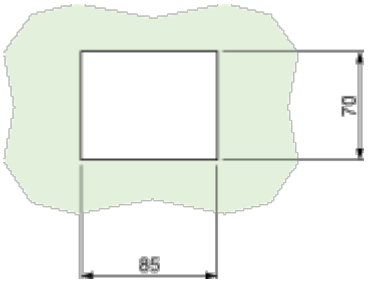


GV4L, GV4P, GV4LE, GV4PE, GV4PEM

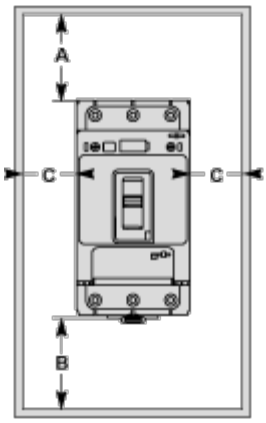
Panel Mounting with M4 Screws



Door Cut-Out for Rotary Handle



Minimum Safety Clearance

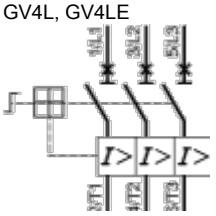


Toggle-type, rotary handle-type: identical clearance values.

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

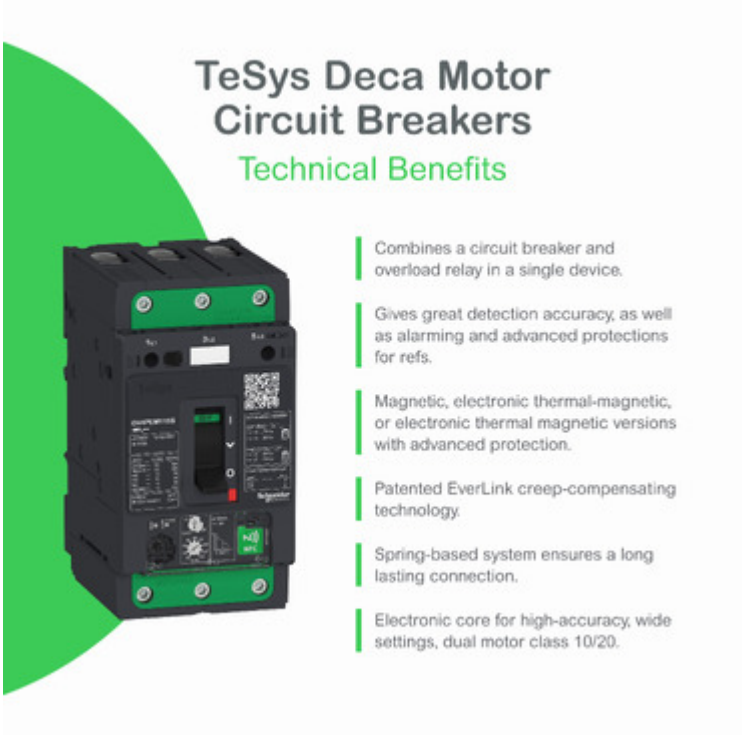
Connections and Schema

Magnetic Motor Circuit Breakers
GV4L, GV4LE



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

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Product benefits / Features