TeSys GV2 Manual Starter and Protector, magnetic circuit protector, toggle switch, 10 A, screw clamp terminals

GV2LE14

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys Deca
Product name	TeSys GV2
Product or Component Type	Motor circuit breaker
Device short name	GV2LE
Device Application	Motor protection
Trip unit technology	Magnetic

Complementary

Poles description	3P
Network type	AC
Utilisation category	Category A IEC 60947-2 AC-3 IEC 60947-4-1 AC-3e IEC 60947-4-1
Network frequency	50/60 Hz IEC 60947-2
Motor power kW	3 kW 400/415 V AC 50/60 Hz 4 kW 400/415 V AC 50/60 Hz 4 kW 500 V AC 50/60 Hz 5.5 kW 500 V AC 50/60 Hz 5.5 kW 690 V AC 50/60 Hz 7.5 kW 690 V AC 50/60 Hz
Breaking capacity	100 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 100 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 15 kA Icu 440 V AC 50/60 Hz IEC 60947-2 10 kA Icu 500 V AC 50/60 Hz IEC 60947-2 3 kA Icu 690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % 230/240 V AC 50/60 Hz IEC 60947-2 100 % 400/415 V AC 50/60 Hz IEC 60947-2 100 % 440 V AC 50/60 Hz IEC 60947-2 100 % 500 V AC 50/60 Hz IEC 60947-2 75 % 690 V AC 50/60 Hz IEC 60947-2
Control Type	Toggle
Line Rated Current	10 A
Magnetic tripping current	149 A
[Ith] conventional free air thermal current	10 A IEC 60947-2
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2
[Ui] rated insulation voltage	690 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-2

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Suitability for isolation	Yes IEC 60947-1
Power dissipation per pole	1.8 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-3 415 V In 100000 cycles AC-3e 415 V In
Rated duty	Uninterrupted IEC 60947-4-1
Connections - terminals	Power circuit screw clamp terminal 2 0.002…0.009 in² (1…6 mm²)solid Power circuit screw clamp terminal 2 0.002…0.009 in² (1.5…6 mm²)flexible without cable end Power circuit screw clamp terminal 2 0.002…0.006 in² (1…4 mm²)flexible with cable end
Tightening torque	15.05 lbf.in (1.7 N.m) screw clamp terminal
Fixing mode	35 mm symmetrical DIN rail clipped Panel screwed with adaptor plate)
Mounting position	Horizontal Vertical
Width	1.8 in (45 mm)
Height	3.5 in (89 mm)
Depth	3.09 in (78.5 mm)
Net Weight	0.73 lb(US) (0.33 kg)
color	Dark grey

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC/EN 60335-2-40:Annex JJ
Product Certifications	CCC UL CSA EAC LROS (Lloyds register of shipping) BV RINA DNV-GL UKCA IECEE CB Scheme
IK degree of protection	IK04
IP degree of protection	IP20 IEC 60529
Climatic withstand	IACS E10
Ambient Air Temperature for Storage	-40…176 °F (-40…80 °C)
Fire resistance	1760 °F (960 °C) IEC 60695-2-11
Ambient air temperature for operation	-4…140 °F (-20…60 °C)
Mechanical robustness	Shocks 30 Gn for 11 ms Vibrations 5 Gn, 5...150 Hz
Operating altitude	<= 6561.68 ft (2000 m)

Ordering and shipping details

Category	US1CP1018402
Discount Schedule	CP10

GTIN	3389110516975
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.35 in (8.500 cm)
Package 1 Width	3.66 in (9.300 cm)
Package 1 Length	1.89 in (4.800 cm)
Package weight(Lbs)	9.524 oz (270.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	15.058 lb(US) (6.830 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	263.364 lb(US) (119.460 kg)

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	**43**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**04104e70-ba29-493c-b2cc-b5837d1f879b**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**

Performance Curves

Tripping Curves for GV2L or LE Combined with Thermal Overload Relay LRD or LR2K

Average Operating Times at 20 °C Related to Multiples of the Setting Current
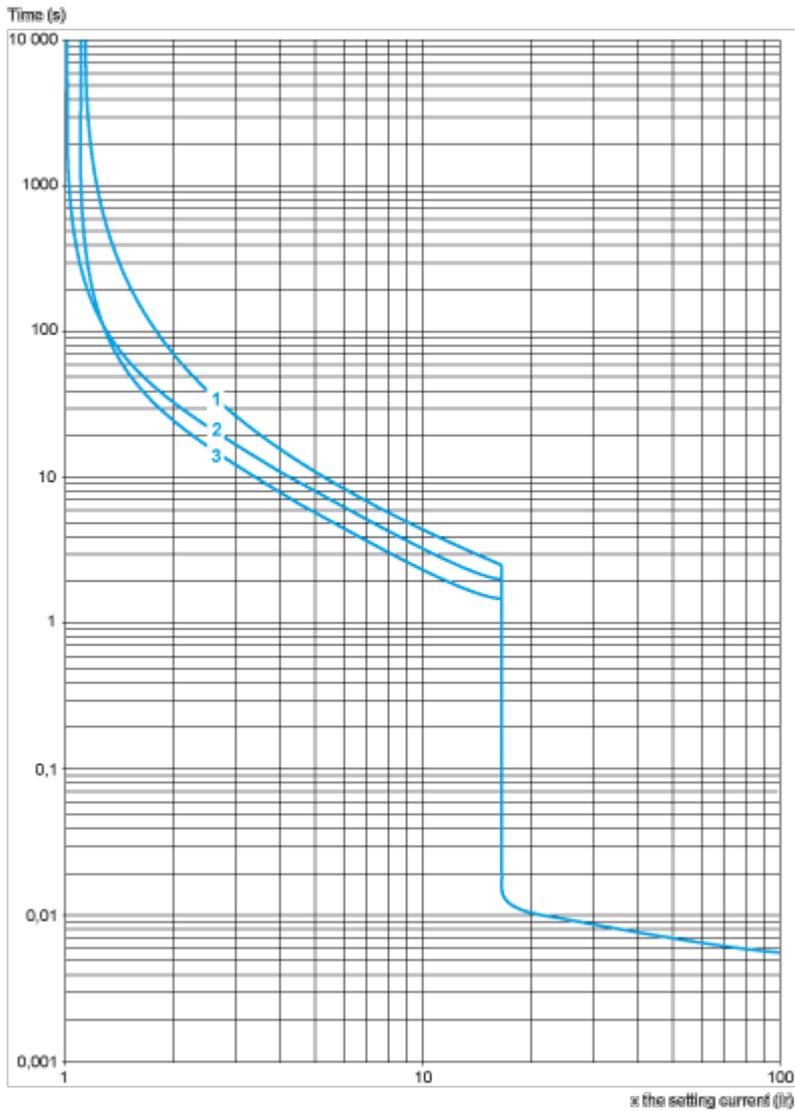
1   3 poles from cold state

2   2 poles from cold state

3   3 poles from hot state

Current Limitation on Short-Circuit for GV2L and GV2LE Only (3-Phase 400/415 V)

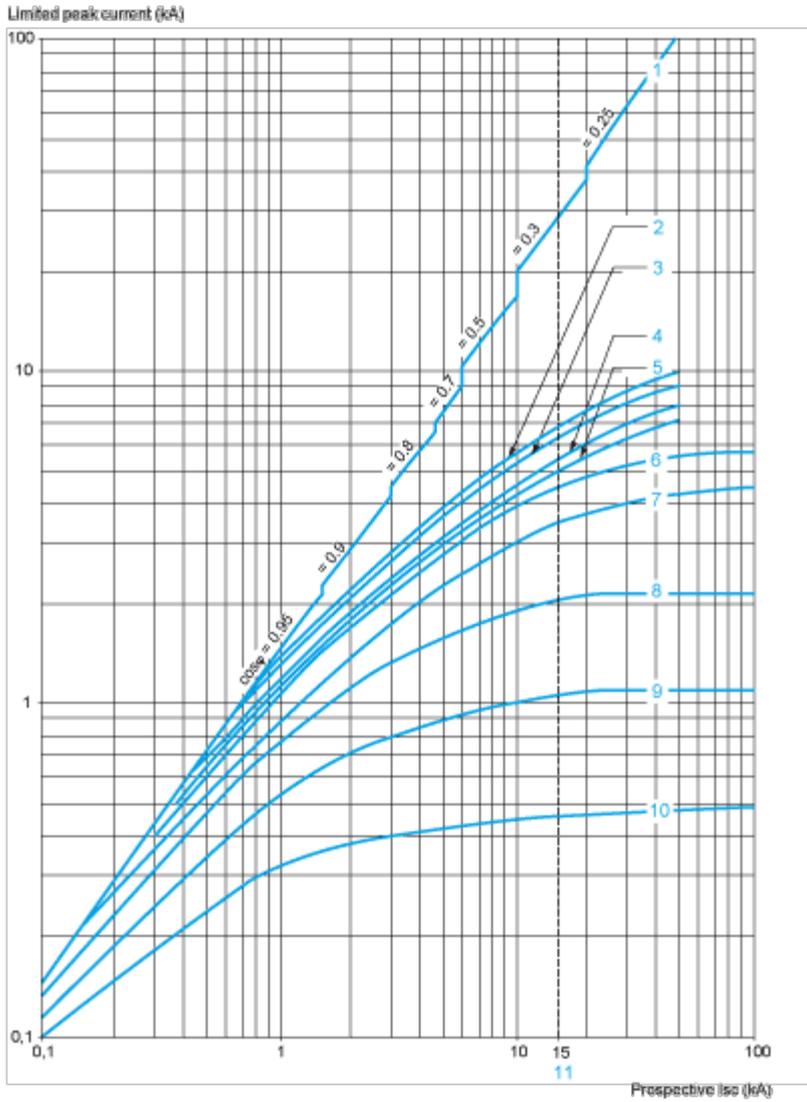**Dynamic Stress**
I peak = f (prospective Isc) at 1.05 Ue = 435 V
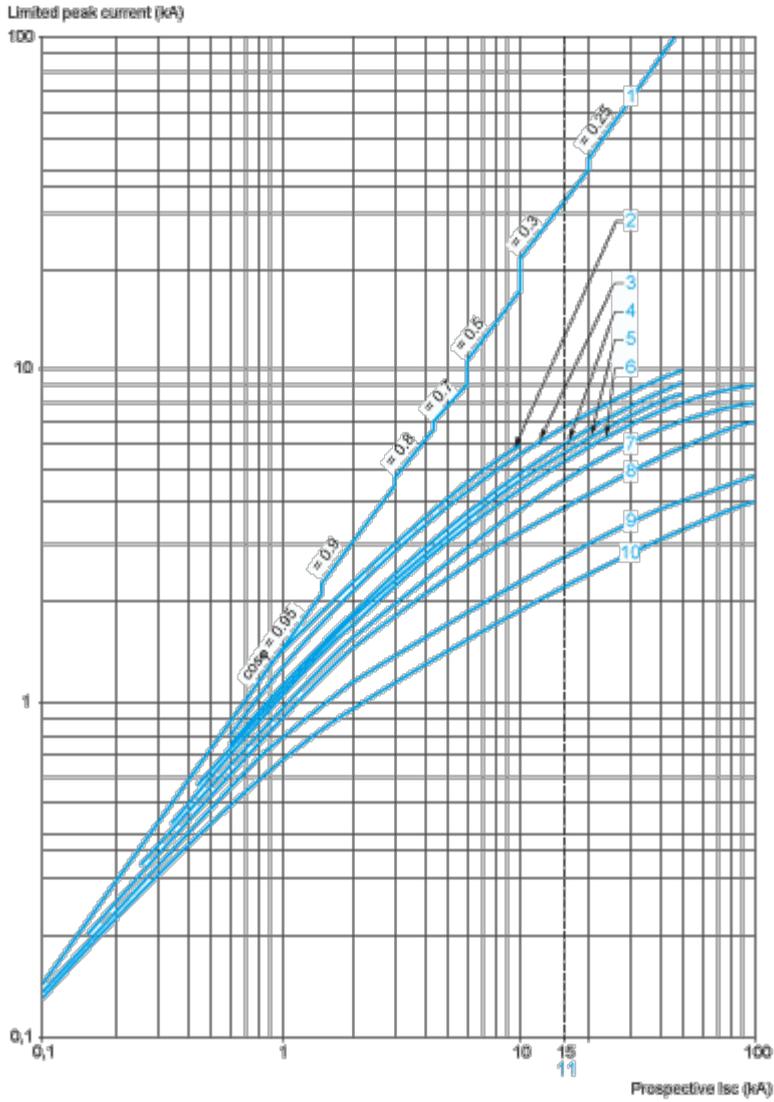
1   Maximum peak current

2   32 A

3   25 A

4   18 A

5   14 A

6   10 A

7   6.3 A

8   4 A

9   2.5 A

10   1.6 A

11   Limit of rated ultimate breaking capacity on short-circuit of GV2LE (14, 18, 23, and 25 A ratings).

Current Limitation on Short-Circuit for GV2L and GV2LE + Thermal Overload Relay LRD or LR2K (3-Phase 400/415 V)

Dynamic Stress

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

Limited peak current (kA) vs Prospective Isc (kA)

1   Maximum peak current

2   32 A

3   25 A

4   18 A

5   14 A

6   10 A

7   6.3 A

8   4 A

9   2.5 A

10   1.6 A

11   Limit of rated ultimate breaking capacity on short-circuit of GV2LE (14, 18, 23, and 25 A ratings).

Thermal Limit on Short-Circuit for GV2LE Only

Thermal Limit in kA^{2}s in the Magnetic Operating Zone

Sum of I^2dt = f (prospective Isc) at 1.05 Ue = 435 V
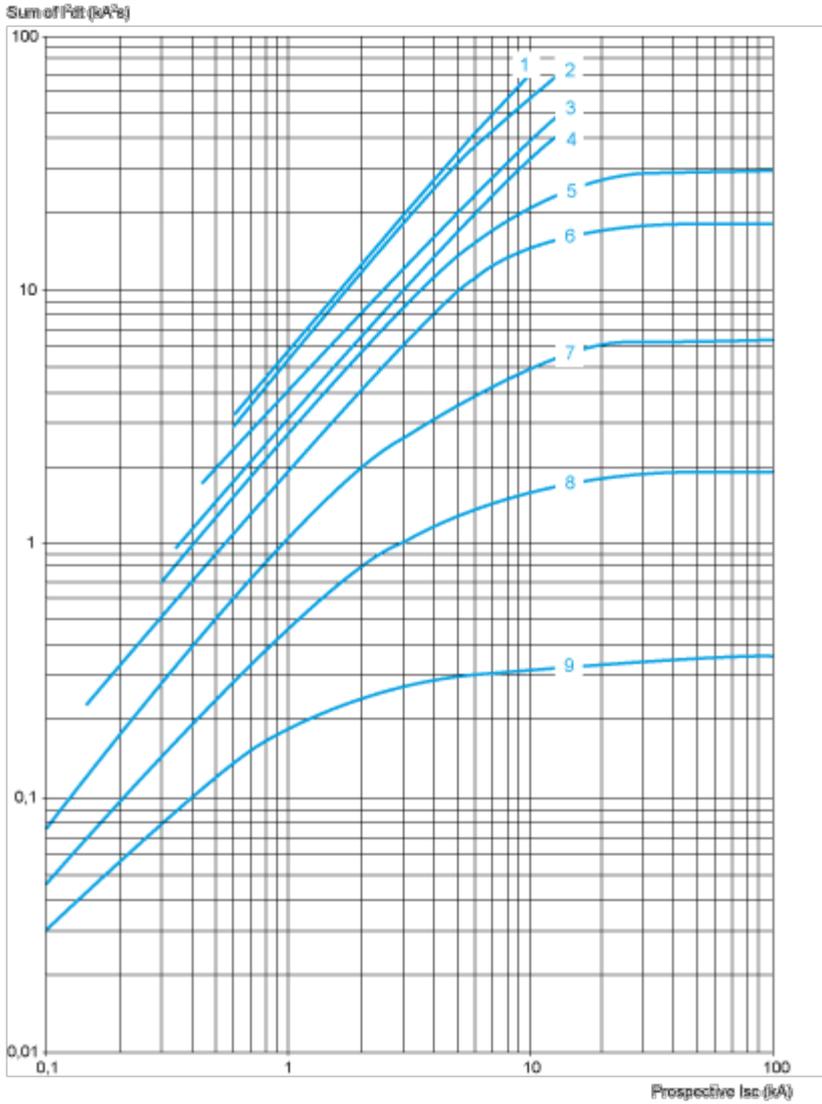
Sum of I²dt (kA²s)

1	32 A
2	25 A
3	18 A
4	14 A
5	10 A
6	6.3 A
7	4 A
8	2.5 A
9	1.6 A

Thermal Limit on Short-Circuit for GV2L and GV2LE + Thermal Overload Relay LRD or LR2K

Thermal Limit in kA^{2}s in the Magnetic Operating Zone

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

Life Is On   Schneider Electric
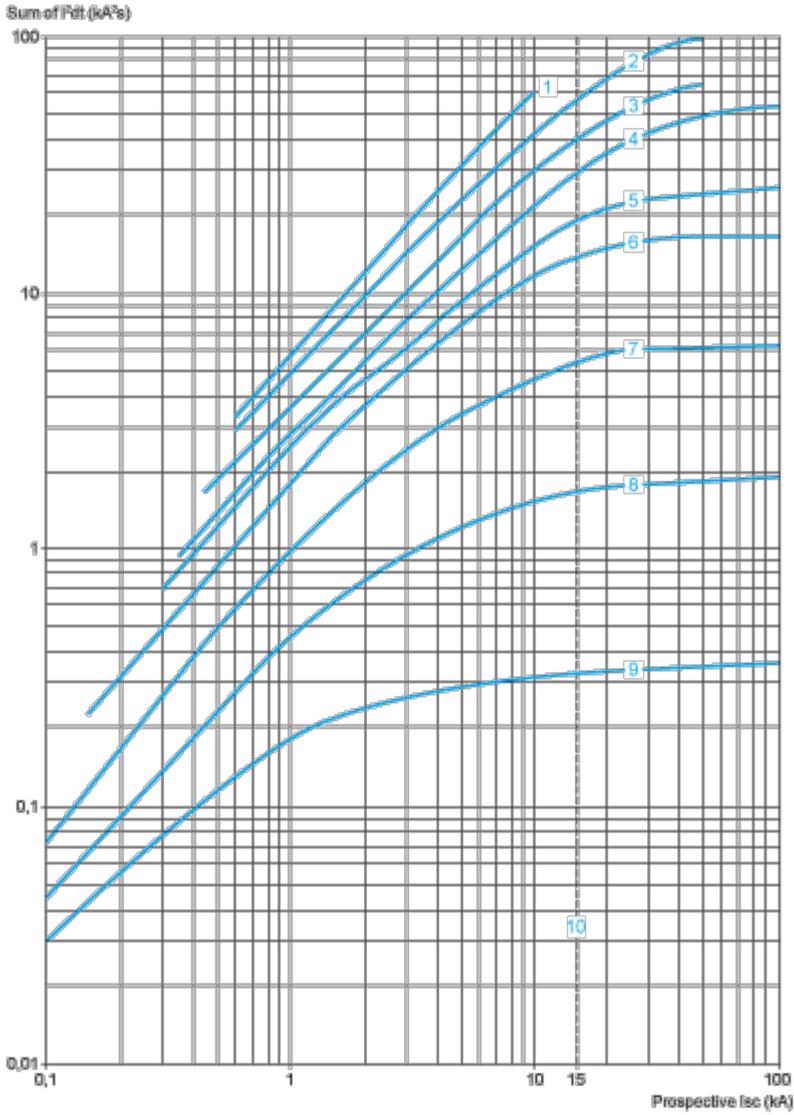
1   32 A (GV2LE32)

2   25 A and 32 A (GV2L32)

3   18 A

4   14 A

5   10 A

6   6.3 A

7   4 A

8   2.5 A

9   1.6 A

10   Limit of rated ultimate breaking capacity on short-circuit of GV2 LE (14, 18, 23, and 25 A ratings).

Dimensions Drawings

GV2LE

Dimensions
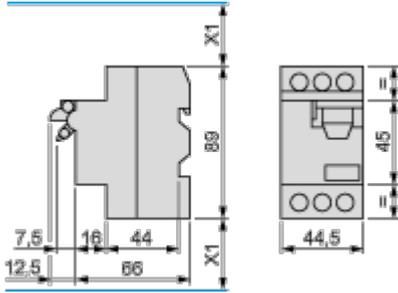
X1 Electrical clearance = 40 mm for Ue ≤ 690 V.

GVAD, AM, AN, AU, AS
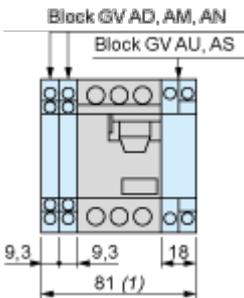
1 Maximum

GVAE
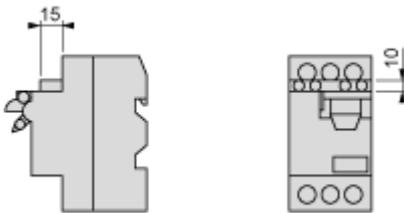
Mounting
On 35 mm rail
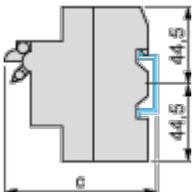
c = 80 on AM1 DP200 (35 x 7.5) and 88 on AM1 DE200, ED200 (35 x15)
On panel with adapter plate GV2 AF02
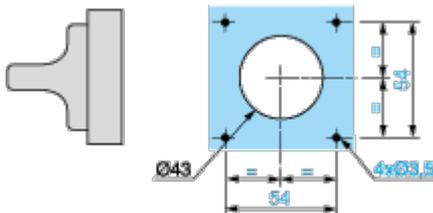
84,5

4,2
35

50/60
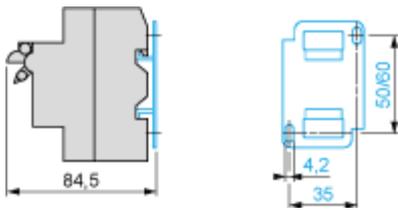
On pre-slotted plate AM1 PA

AF1 EA4

50/60

35

On rails DZ5 MB201

15   35

50   60

DZ5 ME8
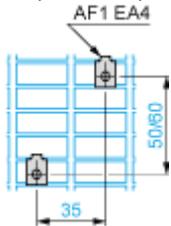
GV2 AF02   DZ5 MB201
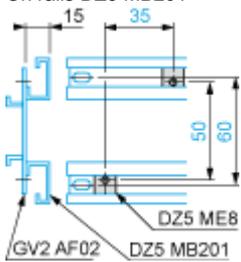
Mounting of External Operator GV2AP03 for GV2LE

65

7

1.5...5

53   135...284

45

44,5

Door cut-out

54

Ø43   4x∅5,5

54
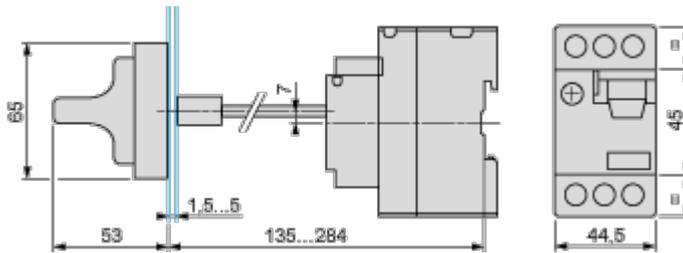
GV2L and GV2LE
Sets of busbars GV2G445, GV2G454, GV2G472, with terminal block GV2G05

a

3   l   p

18

63

45
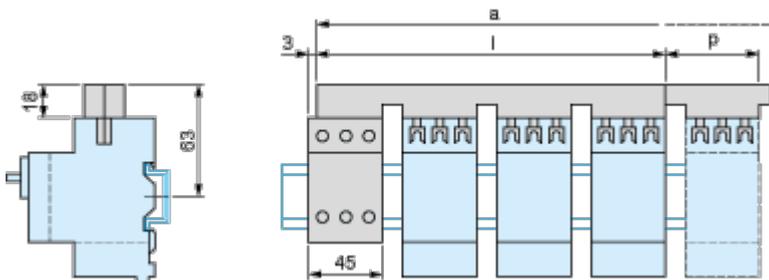
	l	p
GV2G445 (4 x 45 mm)	179	45
GV2G454 (4 x 54 mm)	206	54
GV2G472 (4 x 72 mm)	260	72

Number of tap-offs	a			
	5	6	7	8
GV2G445	224	269	314	359
GV2G454	260	314	368	422
GV2G472	332	404	476	548

Sets of Busbars for GV2L and GV2LE
Sets of busbars GV2G••• with terminal block GV1G09
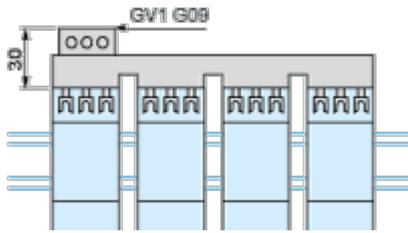
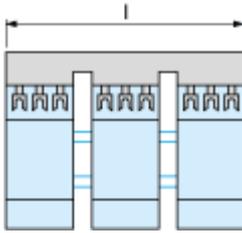Sets of busbars GV2G245, GV2G254, GV2GR272
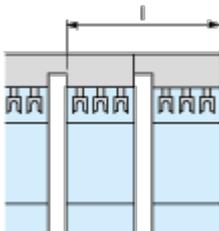
	l
GV2G245 (2 x 45 mm)	89
GV2G254 (2 x 54 mm)	98
GV2G272 (2 x 72 mm)	116

Set of busbars GV2G554
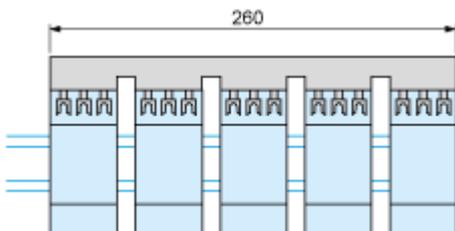
Sets of busbars GV2G345 and GV2G354

Jul 22, 2025

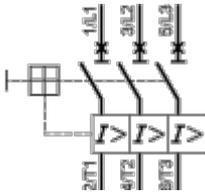|	l
GV2G345 (3 x 45 mm)	134
GV2G354 (3 x 54 mm)	152

Connections and Schema

GV2LE••

Technical Illustration

Assembly's dimensions