Product data sheet

Specification





Motor circuit breaker, TeSys Deca, 3P, 20 to 25A, thermal magnetic, screw clamp terminals, rotary handle

GV2P22

Main

Range	TeSys Deca
Product Name	TeSys GV2 TeSys Deca
Product Or Component Type	Motor circuit breaker
Device Short Name	GV2P
Device Application	Motor protection
Trip Unit Technology	Thermal-magnetic

Complementary

Poles Description	3P
Network Type	AC
Utilisation Category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1 AC-3e conforming to IEC 60947-4-1
Network Frequency	50/60 Hz conforming to IEC 60947-4-1
Fixing Mode	35 mm symmetrical DIN rail: clipped Panel: screwed (with 2 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
Breaking Capacity	100 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 4 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[lcs] Rated Service Short-Circuit Breaking Capacity	100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2
Control Type	Rotary handle
[In] Rated Current	25 A
Thermal Protection Adjustment Range	2025 A conforming to IEC 60947-4-1
Magnetic Tripping Current	327 A
[Ith] Conventional Free Air Thermal Current	25 A conforming to IEC 60947-4-1
[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

List Price displayed is VAT EXCLUSIVE.



Phase Failure Sensitivity	Yes conforming to IEC 60947-4-1	
Suitability For Isolation	Yes conforming to IEC 60947-1 § 7-1-6	
Power Dissipation Per Pole	2.5 W	
Mechanical Durability	100000 cycles	
Electrical Durability	100000 cycles for AC-3 at 415 V In 100000 cycles for AC-3e at 415 V In	
Rated Duty	Continuous conforming to IEC 60947-4-1	
Tightening Torque	1.7 N.m - on screw clamp terminal	
Width	45 mm	
Height	89 mm	
Depth	97 mm	
Colour	Dark grey	

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1	
Product Certifications	CCC UL CSA EAC ATEX LROS (Lloyds register of shipping) BV RINA DNV-GL UKCA	
Ik Degree Of Protection	IK04	
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: 30 Gn for 11 ms Vibrations: 5 Gn, 5150 Hz	
Operating Altitude	2000 m	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.3 cm
Package 1 Width	4.6 cm
Package 1 Length	10 cm
Package 1 Weight	339 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	20
Package 2 Height	15 cm
Package 2 Width	30 cm

Package 2 Length	40 cm
Package 2 Weight	7.106 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	320
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	124.26 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



Rohs Exemption Information

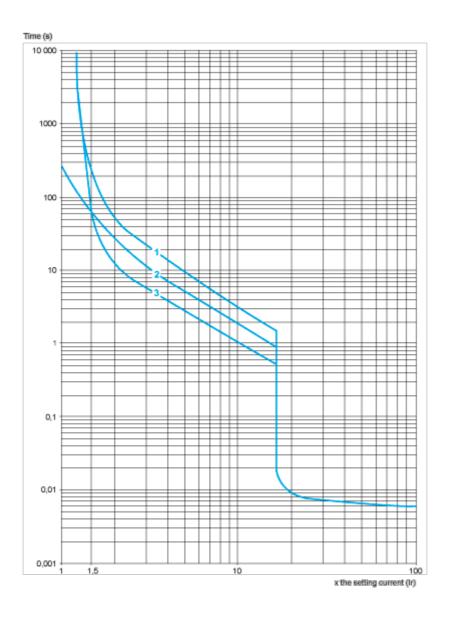
Certifications & Standards

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

Thermal-Magnetic Tripping Curves for GV2ME and GV2P

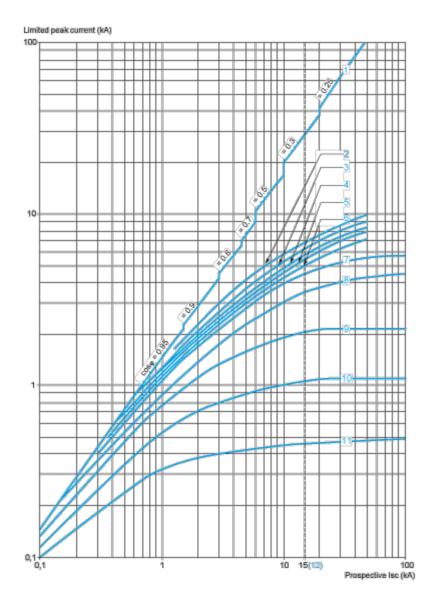
Average Operating Times at 20 °C Related to Multiples of the Setting Current



- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state

Current Limitation on Short-Circuit for GV2ME and GV2P (3-Phase 400/415 V)) Dynamic Stress

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

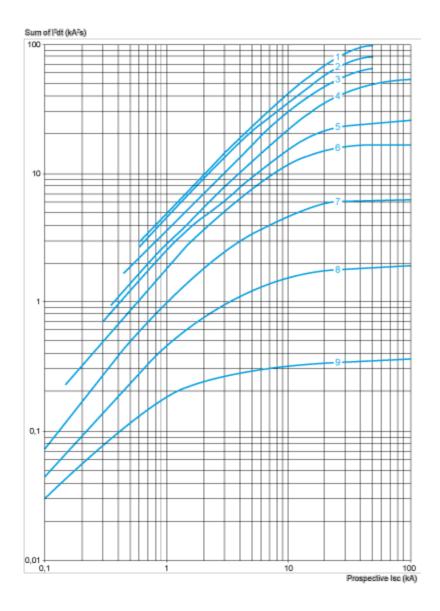


- 1 Maximum peak current
- 2 24-32 A
- 3 20-25 A
- 4 17-23 A
- 5 13-18 A
- 6 9-14 A
- 7 6-10 A
- 8 4-6.3 A
- 9 2.5-4 A
- 10 1.6-2.5 A
- 11 1-1.6 A
- 12 Limit of rated ultimate breaking capacity on short-circuit of GV2ME (14, 18, 23, and 25 A ratings).

Thermal Limit on Short-Circuit for GV2P

Thermal Limit in kA²s in the Magnetic Operating Zone

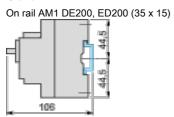
Sum of I^2 dt = f (prospective lsc) at 1.05 Ue = 435 V

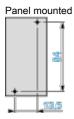


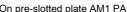
- 1 24-32 A
- 20-25 A 2
- 17-23 A 3
- 13-18 A
- 9-14 A 5
- 6 6-10 A
- 4-6.3 A
- 2.5-4 A 8
- 9 1.6-2.5 A
- 10 1-1.6 A

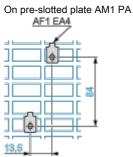
Dimensions Drawings

GV2P

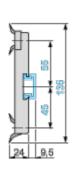


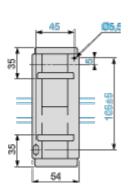


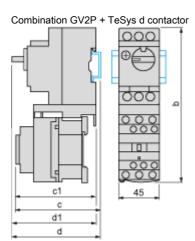




Adapter plate GK2AF01





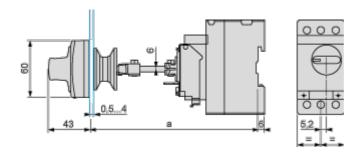


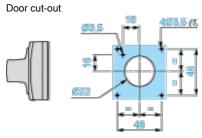
Product data sheet

GV2P+	LC1D09D18	LC1D25 and D32
b	176.4	186.8
c1	100.1	106.4
С	105.6	111.9
d1	95	95
d	100.5	100.5

Mounting

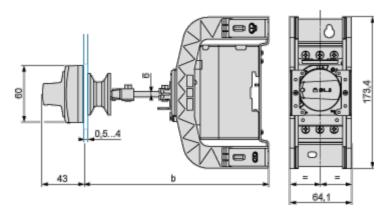
Mounting of External Operator GV2APN01, GV2APN02 or GV2APN04 for Motor Circuit Breakers GV2P





(1) For IP65 only.

Mounting of External Operator GVAPH02 for Motor Circuit Breakers GV2P

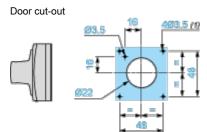


	а		b	
	Minimum	Maximum	Minimum	Maximum
GV2APN••	140	250	-	_
GV2APN → + GVAPH02	_	_	151	250

Product data sheet

GV2P22

	а		b	
	Minimum	Maximum	Minimum	Maximum
GV2APN + GVAPK11	250	434	-	-
GV2APN + GVAPH02 + GVAPK11	_	-	250	445



(1) For IP65 only.

Connections and Schema

GV2P••

