Product datasheet

Specifications





Motor circuit breaker, TeSys GV2, 3P, 2.5-4 A, thermal magnetic, screw clamp terminals

GV2RT08

Main

Range	TeSys Deca
Product name	TeSys GV2 TeSys Deca
product or component type	Motor circuit breaker
Device short name	GV2RT
Device application	Motor protection Motor
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 adaptor plate)
Motor power kW	0.55 kW at 220/230 V AC 50/60 Hz motor protection high peak current
	0.75 kW at 220/230 V AC 50/60 Hz motor protection high peak current
	1.1 kW at 400/415 V AC 50/60 Hz motor protection high peak current
	1.5 kW at 400/415 V AC 50/60 Hz motor protection high peak current
	1.5 kW at 440 V AC 50/60 Hz motor protection high peak current
	1.5 kW at 500 V AC 50/60 Hz motor protection high peak current
	2.2 kW at 500 V AC 50/60 Hz motor protection high peak current
	2.2 kW at 690 V AC 50/60 Hz motor protection high peak current
	3 kW at 690 V AC 50/60 Hz motor protection high peak current
	1 kW at 230/240 V AC 50/60 Hz transformer protection
	1.6 kW at 400/415 V AC 50/60 Hz transformer protection
	2 kW at 400/415 V AC 50/60 Hz transformer protection
	1.6 kW at 440 V AC 50/60 Hz transformer protection
	2 kW at 440 V AC 50/60 Hz transformer protection
	2 kW at 500 V AC 50/60 Hz transformer protection
	2.5 kW at 500 V AC 50/60 Hz transformer protection
	2.5 kW at 690 V AC 50/60 Hz transformer protection
Breaking capacity	100 kA Icu at 220/230 V AC 50/60 Hz conforming to IEC 60947-2
	100 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
	100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
	100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
	3 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Toggle
[In] rated current	4 A
Thermal protection adjustment range	2.54 A conforming to IEC 60947-4-1

Magnetic tripping current	78 A	
[Ith] conventional free air thermal current	4 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	
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	78.5 mm	

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1
Product certifications	CCC UL CSA EAC LROS (Lloyds register of shipping) BV 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	8.500 cm
Package 1 Width	9.400 cm
Package 1 Length	4.800 cm
Package 1 Weight	250.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	24

Package 2 Height15.000 cmPackage 2 Width30.000 cmPackage 2 Length40.000 cmPackage 2 Weight6.330 kg	
Package 2 Length 40.000 cm	
Package 2 Weight 6.330 kg	
Unit Type of Package 3 P06	
Number of Units in Package 3 384	
Package 3 Height 75.000 cm	
Package 3 Width60.000 cm	
Package 3 Length80.000 cm	
Package 3 Weight 111.780 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

Certifications & Standards

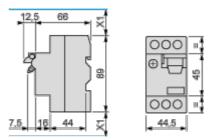
Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European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

12,3

Dimensions Drawings

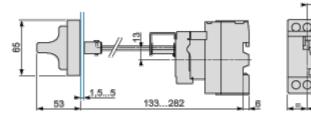
GV2RT

Dimensions

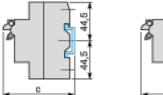


X1: Electrical clearance = 40 mm for Ue < 690 V Mounting

Mounting of external operator GV2AP03

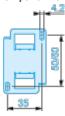


On 35 mm rail

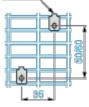




c = 80 on AM1 DP200 (35 x 7.5) c = 88 on AM1 DE200, ED200 (35 x 15) On panel with adapter plate GV2AF02



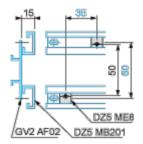
On pre-slotted plate AM1 PA



On rails DZ5 MB

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Connections and Schema

GV2ME •• and GV2RT

