# **Product datasheet**





## Motor circuit breaker, TeSys Deca, 3P,9-14A,thermal magnetic,screw clamp terminals,toggle handle

GV2RT16

### 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

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	2.2 kW at 220/230 V AC 50/60 Hz motor protection high peak current 3 kW at 220/230 V AC 50/60 Hz motor protection high peak current 5.5 kW at 400/415 V AC 50/60 Hz motor protection high peak current 5.5 kW at 440 V AC 50/60 Hz motor protection high peak current 7.5 kW at 440 V AC 50/60 Hz motor protection high peak current 7.5 kW at 500 V AC 50/60 Hz motor protection high peak current 9 kW at 690 V AC 50/60 Hz motor protection high peak current 11 kW at 690 V AC 50/60 Hz motor protection high peak current 4 kW at 230/240 V AC 50/60 Hz transformer protection 6.3 kW at 400/415 V AC 50/60 Hz transformer protection 6.3 kW at 440 V AC 50/60 Hz transformer protection 10 kW at 690 V AC 50/60 Hz transformer protection 12.5 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 15 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 6 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	14 A
Thermal protection adjustment range	914 A conforming to IEC 60947-4-1
Magnetic tripping current	280 A
[Ith] conventional free air thermal	14 A conforming to IEC 60947-4-1

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current



[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	9.300 cm
Package 1 Width	4.800 cm
Package 1 Length	8.500 cm
Package 1 Weight	283.900 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm

Package 2 Length	40.000 cm	
Package 2 Weight	7.148 kg	
Unit Type of Package 3	P06	
Number of Units in Package 3	384	
Package 3 Height	75.000 cm	
Package 3 Width	60.000 cm	
Package 3 Length	80.000 cm	
Package 3 Weight	125.988 kg	

## **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> 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



Mercury Free



Rohs Exemption Information

Yes

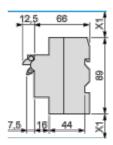
#### **Certifications & Standards**

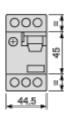
Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European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

#### **Dimensions Drawings**

#### **GV2RT**

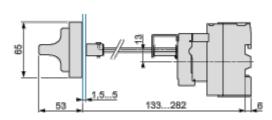
#### **Dimensions**

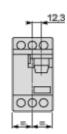


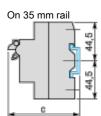


X1: Electrical clearance = 40 mm for Ue < 690 V **Mounting** 

Mounting of external operator GV2AP03

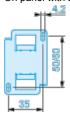




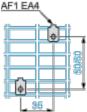




c = 80 on AM1 DP200 (35 x 7.5) c = 88 on AM1 DE200, ED200 (35 x 15) On panel with adapter plate GV2AF02



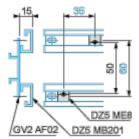
On pre-slotted plate AM1 PA



On rails DZ5 MB

## **Product datasheet**

### **GV2RT16**



### Connections and Schema

#### GV2ME•• and GV2RT

