

# Product datasheet

Specifications



Motor circuit breaker. TeSys GV2.  
3P. 1-1.6 A. thermal magnetic.  
screw clamp terminals

GV2RT06

**Price: 2,416.50 ZAR**

## 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	0.18 kW at 220/230 V AC 50/60 Hz motor protection high peak current 0.25 kW at 220/230 V AC 50/60 Hz motor protection high peak current 0.37 kW at 400/415 V AC 50/60 Hz motor protection high peak current 0.55 kW at 400/415 V AC 50/60 Hz motor protection high peak current 0.37 kW at 440 V AC 50/60 Hz motor protection high peak current 0.55 kW at 440 V AC 50/60 Hz motor protection high peak current 0.37 kW at 500 V AC 50/60 Hz motor protection high peak current 0.55 kW at 500 V AC 50/60 Hz motor protection high peak current 0.75 kW at 500 V AC 50/60 Hz motor protection high peak current 0.75 kW at 690 V AC 50/60 Hz motor protection high peak current 1.1 kW at 690 V AC 50/60 Hz motor protection high peak current 0.4 kW at 230/240 V AC 50/60 Hz transformer protection 0.63 kW at 400/415 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 60947-2 100 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
Control Type	Toggle
[In] Rated Current	1.6 A
Thermal Protection Adjustment Range	1...1.6 A conforming to IEC 60947-4-1
Magnetic Tripping Current	33 A
[Ith] Conventional Free Air Thermal Current	1.6 A conforming to IEC 60947-4-1

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>[Ue] Rated Operational Voltage</b>	690 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Ui] Rated Insulation Voltage</b>	690 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] Rated Impulse Withstand Voltage</b>	6 kV conforming to IEC 60947-2
<b>Suitability For Isolation</b>	Yes conforming to IEC 60947-1 § 7-1-6
<b>Power Dissipation Per Pole</b>	2.5 W
<b>Mechanical Durability</b>	100000 cycles
<b>Electrical Durability</b>	100000 cycles for AC-3 at 415 V In 100000 cycles for AC-3e at 415 V In
<b>Rated Duty</b>	Continuous conforming to IEC 60947-4-1
<b>Tightening Torque</b>	1.7 N.m - on screw clamp terminal
<b>Width</b>	45 mm
<b>Height</b>	89 mm
<b>Depth</b>	78.5 mm

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 60947-4-1
<b>Product Certifications</b>	CCC UL CSA EAC LROS (Lloyds register of shipping) BV UKCA
<b>Ik Degree Of Protection</b>	IK04
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Climatic Withstand</b>	conforming to IACS E10
<b>Ambient Air Temperature For Storage</b>	-40...80 °C
<b>Fire Resistance</b>	960 °C conforming to IEC 60695-2-11
<b>Ambient Air Temperature For Operation</b>	-20...60 °C
<b>Mechanical Robustness</b>	Shocks: 30 Gn for 11 ms Vibrations: 5 Gn, 5...150 Hz
<b>Operating Altitude</b>	2000 m

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	8.2 cm
<b>Package 1 Width</b>	9.0 cm
<b>Package 1 Length</b>	4.8 cm
<b>Package 1 Weight</b>	260.0 g
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	24
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm

Package 2 Length	40.0 cm
Package 2 Weight	6.39 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	384
Package 3 Height	77.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	110.74 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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](#)

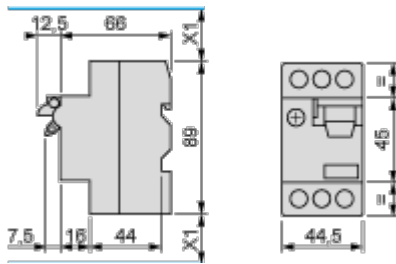
Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Dimensions Drawings

GV2RT

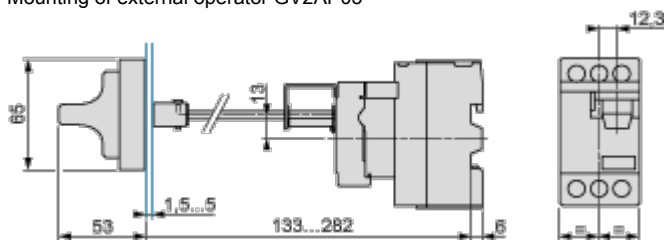
Dimensions



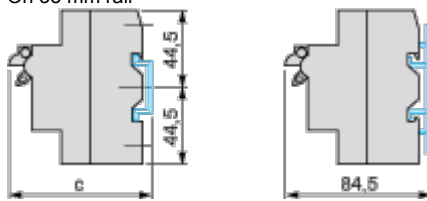
X1: Electrical clearance = 40 mm for Ue < 690 V

Mounting

Mounting of external operator GV2AP03



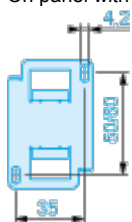
On 35 mm rail



c = 80 on AM1 DP200 (35 x 7.5)

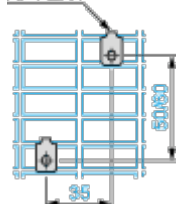
c = 88 on AM1 DE200, ED200 (35 x 15)

On panel with adapter plate GV2AF02

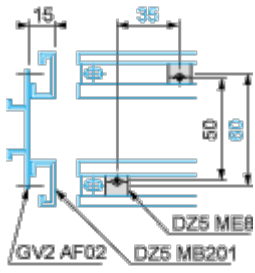


On pre-slotted plate AM1 PA

AF1 EA4



On rails DZ5 MB



Connections and Schema

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GV2ME•• and GV2RT

