

# Product datasheet

Specifications



## Motor circuit breaker, TeSys GV2, 3P, 1.6-2.5 A, thermal magnetic, screw clamp terminals

GV2RT07

### 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
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	0.37 kW at 220/230 V AC 50/60 Hz motor protection high peak current 0.75 kW at 400/415 V AC 50/60 Hz motor protection high peak current 0.75 kW at 440 V AC 50/60 Hz motor protection high peak current 1.1 kW at 440 V AC 50/60 Hz motor protection high peak current 1.1 kW at 500 V AC 50/60 Hz motor protection high peak current 1.5 kW at 690 V AC 50/60 Hz motor protection high peak current 0.63 kW at 230/240 V AC 50/60 Hz transformer protection 1 kW at 400/415 V AC 50/60 Hz transformer protection 1.6 kW at 500 V AC 50/60 Hz transformer protection 1.6 kW at 690 V AC 50/60 Hz transformer protection 2 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	2.5 A
Thermal protection adjustment range	1.6...2.5 A conforming to IEC 60947-4-1
Magnetic tripping current	51 A
[Ith] conventional free air thermal current	2.5 A conforming to IEC 60947-4-1

<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
<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>	8.500 cm
<b>Package 1 Width</b>	9.500 cm
<b>Package 1 Length</b>	4.800 cm
<b>Package 1 Weight</b>	257.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	6.472 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	111.552 kg

Offer Sustainability

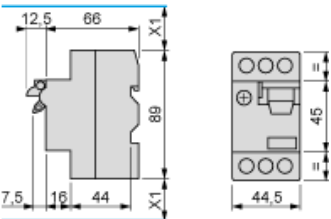
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	<a href="#">Yes</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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GV2RT

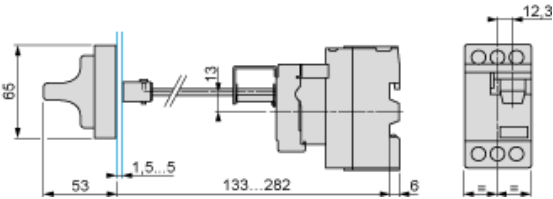
Dimensions



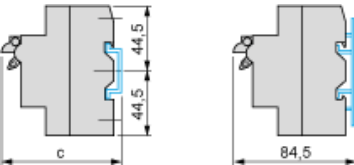
X1: Electrical clearance = 40 mm for Ue < 690 V

Mounting

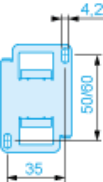
Mounting of external operator GV2AP03



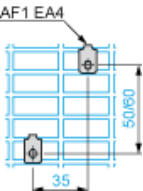
On 35 mm rail



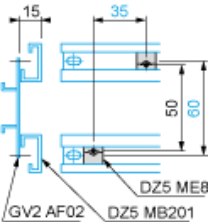
- c = 80 on AM1 DP200 (35 x 7.5)
  - c = 88 on AM1 DE200, ED200 (35 x 15)
- On panel with adapter plate GV2AF02



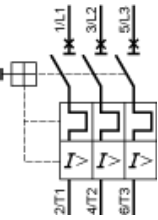
On pre-slotted plate AM1 PA



On rails DZ5 MB



GV2ME•• and GV2RT



Recommended replacement(s)