

# Product data sheet

Specifications



Motor circuit breaker, TeSys Deca, 3P, 17-23A, thermal magnetic, screw clamp terminals, toggle handle

GV2RT21

## Main

Range of product	TeSys GV2
Range	TeSys Deca
Device short name	GV2RT
Product name	TeSys GV2 TeSys Deca
Product or component type	Motor circuit breaker
Device application	Motor protection
Trip unit technology	Thermal-magnetic

## Complementary

Poles description	3P
Network type	AC
Utilisation category	AC-3 conforming to IEC 60947-4-1 Category A conforming to IEC 60947-2
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Fixing mode	35 mm symmetrical DIN rail: clipped Panel: screwed (with adaptor plate)
Operating position	Any position
Motor power kW	5.5 kW at 220/230 V AC 50/60 Hz motor protection high peak current 9 kW at 400/415 V AC 50/60 Hz motor protection high peak current 11 kW at 400/415 V AC 50/60 Hz motor protection high peak current 11 kW at 440 V AC 50/60 Hz motor protection high peak current 11 kW at 500 V AC 50/60 Hz motor protection high peak current 18.5 kW at 690 V AC 50/60 Hz motor protection high peak current
Breaking capacity	3 kA Icu at 690 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 6 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 4 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220/230 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Toggle
[In] rated current	23 A
Thermal protection adjustment range	17...23 A
Magnetic tripping current	400 A
[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

<b>[Ith] conventional free air thermal current</b>	23 A conforming to IEC 60947-4-1
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-2
<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 at 415 V
<b>Maximum operating rate</b>	25 cyc/h
<b>Rated duty</b>	Continuous conforming to IEC 60947-4-1
<b>Tightening torque</b>	1.7 N.m on screw clamp terminals
<b>Mechanical robustness</b>	Shocks: 30 Gn conforming to IEC 60068-2-27 Vibrations: 5 Gn, 5...150 Hz conforming to IEC 60068-2-6
<b>Height</b>	89 mm
<b>Width</b>	45 mm
<b>Depth</b>	78.5 mm
<b>Suitability for isolation</b>	Yes conforming to IEC 60947-1 § 7-1-6

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 60947-4-1
<b>Product certifications</b>	CCC UL CSA EAC BV LROS (Lloyds register of shipping) UKCA
<b>Climatic withstand</b>	conforming to IACS E10
<b>IK degree of protection</b>	IK04
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Fire resistance</b>	960 °C conforming to IEC 60695-2-11
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-20...60 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	290.0 g
<b>Package 1 Height</b>	4.8 cm
<b>Package 1 width</b>	8.6 cm
<b>Package 1 Length</b>	9.3 cm
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Weight</b>	7.169 kg
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 width</b>	30.0 cm

Package 2 Length	40.0 cm
Unit Type of Package 3	P06
Number of Units in Package 3	288
Package 3 Weight	97.48 kg
Package 3 Height	77.0 cm
Package 3 width	80.0 cm
Package 3 Length	60.0 cm

## Offer Sustainability

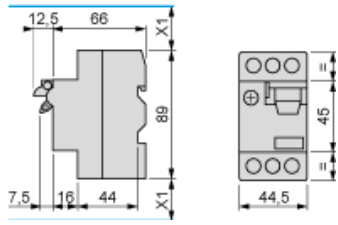
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty	18 months
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**GV2RT**

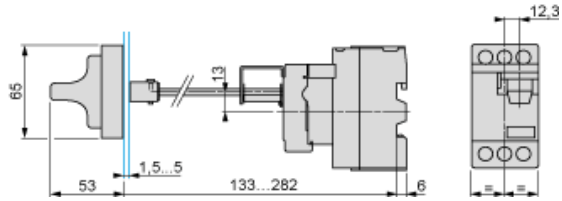
**Dimensions**



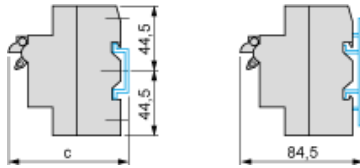
X1: Electrical clearance = 40 mm for  $U_e < 690$  V

**Mounting**

Mounting of external operator GV2AP03



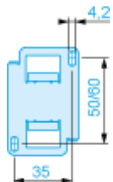
On 35 mm rail



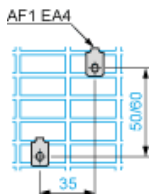
c = 80 on AM1 DP200 (35 x 7.5)

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

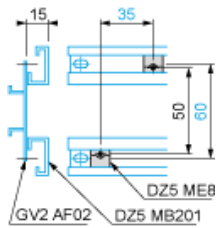
On panel with adapter plate GV2AF02



On pre-slotted plate AM1 PA



On rails DZ5 MB



GV2ME•• and GV2RT

