Product data sheet

Specifications



TeSys GV2 Manual Starter and Protector, thermal magnetic circuit protector, toggle switch, 0.40…0.63 A, screw clamp terminals

GV2RT21

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	TeSys Deca
Product name	TeSys GV2
Product or Component Type	Motor circuit breaker
Device short name	GV2RT
Device Application	Motor protection Transformer
Trip unit technology	Thermal-magnetic

Complementary

Poles description	3P
Network type	AC
Utilisation category	Category A IEC 60947-2 AC-3 IEC 60947-4-1 AC-3e IEC 60947-4-1
Network frequency	50/60 Hz IEC 60947-2
Motor power kW	5.5 kW 220/230 V AC 50/60 Hz motor protection high peak current 9 kW 400/415 V AC 50/60 Hz motor protection high peak current 11 kW 400/415 V AC 50/60 Hz motor protection high peak current 11 kW 440 V AC 50/60 Hz motor protection high peak current 11 kW 500 V AC 50/60 Hz motor protection high peak current 18.5 kW 690 V AC 50/60 Hz motor protection high peak current
Breaking capacity	50 kA Icu 220/230 V AC 50/60 Hz IEC 60947-2 15 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 6 kA Icu 440 V AC 50/60 Hz IEC 60947-2 4 kA Icu 500 V AC 50/60 Hz IEC 60947-2 3 kA Icu 690 V AC 50/60 Hz IEC 60947-2
Control Type	Toggle
Line Rated Current	23 A
Thermal protection adjustment range	17…23 A IEC 60947-2
Magnetic tripping current	400 A
[Ith] conventional free air thermal current	23 A IEC 60947-2
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2
[Ui] rated insulation voltage	690 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-2
Suitability for isolation	Yes IEC 60947-1
Power dissipation per pole	2.5 W

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-3 415 V In 100000 cycles AC-3e 415 V In
Rated duty	Uninterrupted IEC 60947-4-1
Connections - terminals	Power circuit: screw clamp terminal 2 cable(s) 0.002…0.009 in² (1…6 mm²) - solid Power circuit: screw clamp terminal 2 cable(s) 0.002…0.009 in² (1.5…6 mm²) - flexible without cable end Power circuit: screw clamp terminal 2 cable(s) 0.002…0.006 in² (1…4 mm²) - flexible with cable end
Tightening torque	15.05 lbf.in (1.7 N.m) screw clamp terminal
Fixing mode	35 mm symmetrical DIN rail clipped Panel screwed with adaptor plate)
Mounting position	Horizontal Vertical
Width	1.8 in (45 mm)
Height	3.5 in (89 mm)
Depth	3.09 in (78.5 mm)

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1
Product Certifications	CB Scheme CE UKCA CCC cULus EAC LROS (Lloyds register of shipping) BV
IK degree of protection	IK04
IP degree of protection	IP20 IEC 60529
Climatic withstand	IACS E10
Ambient Air Temperature for Storage	-40…176 °F (-40…80 °C)
Fire resistance	1760 °F (960 °C) IEC 60695-2-11
Ambient air temperature for operation	-4…140 °F (-20…60 °C)
Mechanical robustness	Shocks 30 Gn for 11 ms Vibrations 5 Gn, 5...150 Hz
Operating altitude	<= 6561.68 ft (2000 m)

Ordering and shipping details

Category	US1CTR121253
Discount Schedule	CTR1
GTIN	3389110520729
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

Package 1 Height	3.386 in (8.600 cm)
Package 1 Width	3.661 in (9.300 cm)
Package 1 Length	1.890 in (4.800 cm)
Package weight(Lbs)	10.229 oz (290.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	15.805 lb(US) (7.169 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	288
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	214.907 lb(US) (97.480 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**12 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**9 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.6 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**238377c4-8bbb-4817-909e-374f45411463**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Antimony oxide &amp Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**
POP Directive	**No POPs**

Use Again

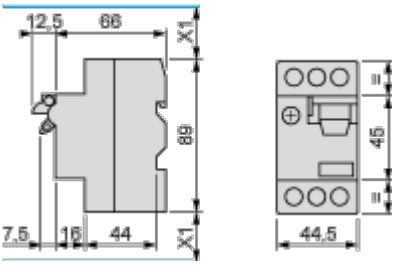
Repack and remanufacture

Recyclability potential, in %	**49**
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

GV2RT

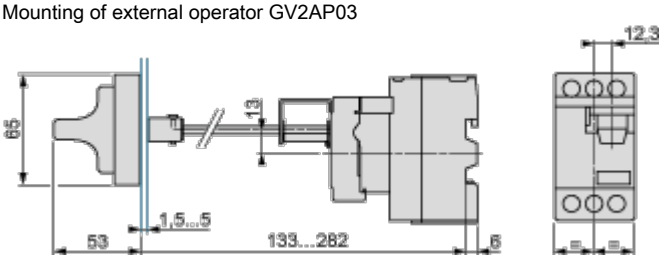
Dimensions



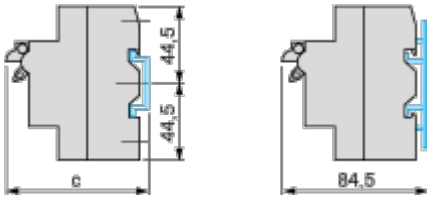
X1: Electrical clearance = 40 mm for Ue < 690 V

Mounting

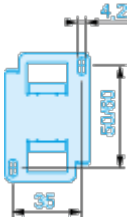
Mounting of external operator GV2AP03



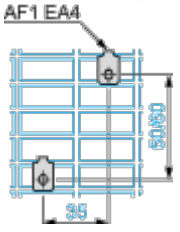
On 35 mm rail



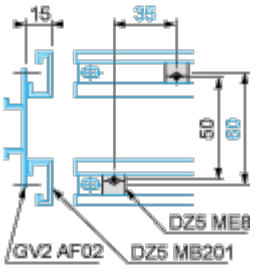
c = 80 on AM1 DP200 (35 x 7.5)
c = 88 on AM1 DE200, ED200 (35 x 15)
On panel with adapter plate GV2AF02



On pre-slotted plate AM1 PA



On rails DZ5 MB


15
35
50
69
DZ5 ME8
GV2 AF02
DZ5 MB201

Connections and Schema

GV2ME•• and GV2RT

