

# Product data sheet

Specifications



## Motor circuit breaker, TeSys Deca, 3P, AC-3/AC-3e, 2.5 to 4A, thermal magnetic, snap-in terminals, push button

GV2ME08A

**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	GV2ME
Device Application	Motor protection
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	1.1 kW 400/415 V AC 50/60 Hz 1.5 kW 400/415 V AC 50/60 Hz 1.5 kW 500 V AC 50/60 Hz 2.2 kW 500 V AC 50/60 Hz 3 kW 690 V AC 50/60 Hz 2.2 kW 690 V AC 50/60 Hz
Breaking capacity	100 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 100 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 100 kA Icu 440 V AC 50/60 Hz IEC 60947-2 100 kA Icu 500 V AC 50/60 Hz IEC 60947-2 3 kA Icu 690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % 230/240 V AC 50/60 Hz IEC 60947-2 100 % 400/415 V AC 50/60 Hz IEC 60947-2 100 % 440 V AC 50/60 Hz IEC 60947-2 100 % 500 V AC 50/60 Hz IEC 60947-2 75 % 690 V AC 50/60 Hz IEC 60947-2
Control Type	Push-button
Line Rated Current	4 A
Thermal protection adjustment range	2.5...4 A IEC 60947-2
Magnetic tripping current	74 A
[Ith] conventional free air thermal current	4 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

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

<b>[Uimp] rated impulse withstand voltage</b>	6 kV IEC 60947-2
<b>Phase failure sensitivity</b>	Yes IEC 60947-4-1
<b>Suitability for isolation</b>	Yes IEC 60947-1
<b>Power dissipation per pole</b>	2.5 W
<b>Mechanical durability</b>	100000 cycles
<b>Electrical durability</b>	100000 cycles AC-3 415 V In 100000 cycles AC-3e 415 V In
<b>Rated duty</b>	Uninterrupted IEC 60947-4-1
<b>Connections - terminals</b>	Power circuit: snap-in terminal 2 cable(s) 0.0008...0.004 in <sup>2</sup> (0.5...2.5 mm <sup>2</sup> ) - solid Power circuit: snap-in terminal 2 cable(s) 0.0008...0.006 in <sup>2</sup> (0.5...4 mm <sup>2</sup> ) - flexible without cable end Power circuit: snap-in terminal 2 cable(s) 0.0008...0.004 in <sup>2</sup> (0.5...2.5 mm <sup>2</sup> ) - flexible with cable end Power circuit: snap-in terminal 2 cable(s) (AWG 20...AWG 12) - solid Power circuit: snap-in terminal 2 cable(s) (AWG 20...AWG 10) - stranded
<b>Fixing mode</b>	35 mm symmetrical DIN rail clipped Panel screwed with adaptor plate)
<b>Mounting position</b>	Horizontal Vertical
<b>Width</b>	1.8 in (45 mm)
<b>Height</b>	4.0 in (101 mm)
<b>Depth</b>	3.09 in (78.5 mm)
<b>Product Weight</b>	9.1 oz (258 g)
<b>color</b>	Dark grey

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC/EN 60335-2-40:Annex JJ IEC/EN 60335-1:Clause 30.2
<b>Product Certifications</b>	CB Scheme CE UKCA CCC cULus
<b>IK degree of protection</b>	IK04
<b>IP degree of protection</b>	IP20 IEC 60529 on front face)
<b>Climatic withstand</b>	IACS E10
<b>Ambient Air Temperature for Storage</b>	-40...176 °F (-40...80 °C)
<b>Fire resistance</b>	1760 °F (960 °C) IEC 60695-2-11
<b>Ambient air temperature for operation</b>	-4...140 °F (-20...60 °C)
<b>Mechanical robustness</b>	Shocks 30 Gn for 11 ms Vibrations 5 Gn, 5...150 Hz
<b>Operating altitude</b>	<= 6561.68 ft (2000 m)

## Ordering and shipping details

<b>Category</b>	US10I1122367
<b>Discount Schedule</b>	0I11

<b>GTIN</b>	3606487541851
<b>Returnability</b>	No
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	2.205 in (5.600 cm)
<b>Package 1 Width</b>	3.543 in (9.000 cm)
<b>Package 1 Length</b>	4.134 in (10.500 cm)
<b>Package weight(Lbs)</b>	10.018 oz (284.000 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	20
<b>Package 2 Height</b>	5.906 in (15.000 cm)
<b>Package 2 Width</b>	11.811 in (30.000 cm)
<b>Package 2 Length</b>	15.748 in (40.000 cm)
<b>Package 2 Weight</b>	13.157 lb(US) (5.968 kg)

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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	11 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 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]	0.4 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	04104e70-ba29-493c-b2cc-b5837d1f879b
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
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>

## Use Longer




### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	49
Circularity Profile	<a href="#">End of Life Information</a>
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.

Technical Illustration

Assembly's dimensions

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