

Product datasheet

Specifications



Motor circuit breaker, TeSys GV5, 3P, 150A, Icu 36kA, thermal magnetic

Local distributor code:
407811449

GV5P150F

EAN Code: 3606489915407

Main

Range	TeSys
Range of product	TeSys GV5
Device short name	GV5P
Product name	TeSys GV5 TeSys Giga
Product or component type	Motor circuit breaker
Device application	Motor protection
Trip unit technology	Electronic

Complementary

Poles description	3P
Utilisation category	Category A conforming to IEC 60947-2
Motor power kW	55...75 kW at 400/415 V AC 50/60 Hz 75...90 kW at 500 V AC 50/60 Hz 90...110 kW at 660/690 V AC 50/60 Hz
Breaking capacity	36 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Direct rotary handle
[In] rated current	150 A at 65 °C
Magnetic tripping current	2250 A
Rated conditional short-circuit current	35 kA at 440 V
[Ue] rated operational voltage	690 V AC 50/60 Hz
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Ith] conventional free air thermal current	150 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 kV
Power dissipation per pole	9.2 W
Mechanical durability	40000 cycles
Electrical durability	5000 cycles for AC-3 at 415 V opening 5000 cycles for AC-3 at 415 V closing
maximum operating rate	25 cyc/h
Rated duty	Continuous

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

Connection pitch	35 mm without spreaders
Connections - terminals	Bars Lugs
Tightening torque	15 N.m M8 screw type
Mechanical robustness	Vibrations: +/- 1 mm 2...13.2 Hz conforming to IEC 60068-2-6 Vibrations: 0.7 gn 13.2...100 Hz conforming to IEC 60068-2-6
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Height	161 mm
Width	105 mm
Depth	155 mm
Product weight	2.4 kg
Colour	Anthracite (RAL 7016)
Suitability for isolation	Yes conforming to EN/IEC 60947-2

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	IECEE CB Scheme EAC (pending)
Climatic withstand	conforming to IACS E10
IK degree of protection	IK07 conforming to IEC 62262
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for storage	-50...85 °C
Fire resistance	960 °C conforming to IEC 60695-2-11
Operating altitude	5000 m
Ambient air temperature for operation	-25...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.100 cm
Package 1 Width	11.800 cm
Package 1 Length	17.000 cm
Package 1 Weight	2.083 kg
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	13.196 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty (in months)	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	169 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	17 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	147 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	5 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	B82c98c5-1228-42d6-959b-58bfb6c14066
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	59
End of life manual availability	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

Offer Marketing Illustration

Product benefits / Features

A black TeSys Giga Motor Circuit Breaker with a large black handle and a red emergency stop button. It has multiple terminals on top and bottom.

TeSys Giga Motor Circuit Breakers

Technical Benefits

- 2 breaking capacities (Icu): 36kA & 70kA @ 400/415V AC and 4 current ratings: 150A, 220A, 320A & 500A.
- Equipped with advanced Micrologic trip unit which provides over-load and short circuit protection along with phase-unbalance or phase-loss protections.
- Optional Thermal Fault module (SDTAM) to indicate over-load and to open contactor (before breaker tripping) in event of over-load or phase un-balance.
- Suitable for 2 device motor-starter solutions along with TeSys contactors with Type 1 and Type 2 coordination.
- Compliance with standards: EN/IEC 60947-1; IEC 60947-2; IEC 60947-4-1; UL 60947-4-1; CSA C22.2 No 60947-4-1.

Offer Marketing Illustration

Product benefits / Features



TeSys Giga Motor
Circuit Breakers

Range Accessories



Long terminal shields



Direct rotary handle



Clip-on connectors



Phase barriers



Spreader



Kit for combination
with contactor

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

TeSys Giga

Motor Circuit Breakers



A black TeSys Giga Motor Circuit Breaker with a large black handle and multiple terminals on top and bottom.



Reliable

Highly reliable because of thermal elements including automatic compensation for changes in temperature.



Advanced technology

A brilliant alliance of advanced electronics and electromechanical technology that provides more effective protection.



East to install

Thanks to universal fixing arrangement and wide range of accessories and auxiliaries.

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