Product datasheet

Specifications



Motor circuit breaker, TeSys GV5, 3P, 220A, Icu 70kA, thermal magnetic

GV5P220H

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	90…110 kW at 400/415 V AC 50/60 Hz 110 kW at 500 V AC 50/60 Hz 110…132 kW at 660/690 V AC 50/60 Hz
Breaking capacity	70 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 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	220 A at 65 °C
Magnetic tripping current	3300 A
[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	220 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 kV
Power dissipation per pole	17.6 W
Mechanical durability	20000 cycles
Electrical durability	10000 cycles for AC-3 at 400/415 V In
maximum operating rate	25 cyc/h
Rated duty	Continuous
Connection pitch	35 mm without spreaders

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

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
Net weight	2.6 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	19.1 cm
Package 1 Width	11.8 cm
Package 1 Length	17.0 cm
Package 1 Weight	2.9 kg
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	18.1 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	304

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	B82c98c5-1228-42d6-959b-58bfb6c14066
REACh Regulation	REACh Declaration

Use Again

Repack and remanufacture

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



Offer Marketing Illustration

Product benefits / Features



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Product benefits / Features



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Product benefits / Features



Technical Illustration

Assembly's dimensions

