

# Product data sheet

Specifications



## Motor circuit breaker, TeSys GV5, 3P, 220A, Icu 36kA, thermal magnetic

GV5P220F

### Main

Range Of Product	TeSys GV5
Range	TeSys
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	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	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

<b>Connections - Terminals</b>	Bars Lugs
<b>Tightening Torque</b>	15 N.m M8 screw type
<b>Mechanical Robustness</b>	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
<b>Phase Failure Sensitivity</b>	Yes conforming to IEC 60947-4-1
<b>Height</b>	161 mm
<b>Width</b>	105 mm
<b>Depth</b>	155 mm
<b>Net Weight</b>	2.6 kg
<b>Colour</b>	Anthracite (RAL 7016)
<b>Suitability For Isolation</b>	Yes conforming to EN/IEC 60947-2

## Environment

<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
<b>Product Certifications</b>	IECEE CB Scheme EAC (pending)
<b>Climatic Withstand</b>	conforming to IACS E10
<b>Ik Degree Of Protection</b>	IK07 conforming to IEC 62262
<b>Ip Degree Of Protection</b>	IP40 conforming to IEC 60529
<b>Ambient Air Temperature For Storage</b>	-50...85 °C
<b>Fire Resistance</b>	960 °C conforming to IEC 60695-2-11
<b>Operating Altitude</b>	5000 m
<b>Ambient Air Temperature For Operation</b>	-25...70 °C

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	18.2 cm
<b>Package 1 Width</b>	11.1 cm
<b>Package 1 Length</b>	17.8 cm
<b>Package 1 Weight</b>	2.194 kg
<b>Unit Type Of Package 2</b>	S04
<b>Number Of Units In Package 2</b>	6
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	40.0 cm
<b>Package 2 Length</b>	60.0 cm
<b>Package 2 Weight</b>	14.03 kg

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure

[Product Environmental Profile](#)

Weee

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile

[End of Life Information](#)