



## Main

Range	TeSys
Product name	TeSys GV5
Device short name	GV5P
Product or component type	Motor circuit breaker
Device application	Motor protection
Protection type	Overload protection Short-circuit protection Instantaneous short-circuit protection Phase unbalance Phase loss
Utilisation category	Category A conforming to IEC 60947-2
Control type	Direct rotary handle
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Poles description	3P
[Ue] rated operational voltage	690 V AC 50/60 Hz
[In] rated current	150 A at 65 °C
Breaking capacity code	F 36 kA
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
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
Trip unit name	Micrologic 2.2 M
Trip unit rating	150 A
Trip unit technology	Electronic
Magnetic tripping current	2250 A

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

[Isd] short-time pick-up adjustment range	5...13 x I <sub>r</sub> adjustable 9 settings
Thermal protection adjustment range	70...150 A adjustable 9 settings
Thermal overload class	Class 5 conforming to IEC 60947-4-1 Class 10 conforming to IEC 60947-4-1 Class 20 conforming to IEC 60947-4-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Mechanical durability	40000 cycles
Electrical durability	20000 cycles for AC-3 at 400/415 V In
Maximum operating rate	25 cyc/h
Rated duty	Continuous
Power dissipation per pole	9.2 W

## Complementary

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
Local signalling	LED ready LED 95 % I <sub>th</sub>
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)
Fixing mode	By screws
Mounting position	Horizontal and vertical
Connections - terminals	Power circuit: bars - busbar cross section: 25 x 6 mm Power circuit: lugs - external diameter: 25 mm
Connection pitch	35 mm without spreaders
Tightening torque	15 N.m screw : M8
Width	105 mm
Height	161 mm
Depth	155 mm
Net weight	2.4 kg
Colour	Anthracite (RAL 7016)

## Environment

Ambient air temperature for storage	-55...85 °C
Ambient air temperature for operation	-25...70 °C
Operating altitude	0...2000 m without derating
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3
Protective treatment	TC
Fire resistance	960 °C conforming to IEC 60695-2-1
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

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
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