Product data sheet
Characteristics

GV5P150F
Motor circuit breaker, TeSys GV5, 3P, 150A, Icu 36kA, thermal magnetic



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
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
Net 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[RETURN]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

Offer Sustainability

Recyclability potential, in %	59
Total lifecycle Carbon footprint	169 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	17.195054556487044
Carbon footprint of the manufacturing phase [A1 to A3]	17 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3418055132469168
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.17887396252451765
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	146.5881244440864
Carbon footprint of the use phase [B2, B3, B4, B6]	147 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	4.50104833723423
Carbon footprint of the end-of-life phase [C1 to C4]	5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	169

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	B82c98c5-1228-42d6-959b-58bfb6c14066
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised