

Product datasheet

Specifications



Motor circuit breaker, TeSys GV6, 3P, 320A, Icu 70kA, thermal magnetic

GV6P320H

Main

Range of product	TeSys GV6
Range	TeSys
Device short name	GV6P
Product name	TeSys GV6 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	132...160 kW at 400/415 V AC 50/60 Hz 160...200 kW at 500 V AC 50/60 Hz 200...250 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	320 A at 65 °C
Magnetic tripping current	4800 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	320 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 kV
Power dissipation per pole	19.2 W
Mechanical durability	15000 cycles
Electrical durability	6000 cycles for AC-3 at 400/415 V In
Maximum operating rate	25 cyc/h

Rated duty	Continuous
Connection pitch	45 mm without spreaders
Connections - terminals	Bars Lugs
Tightening torque	50 N.m M10 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	255 mm
Width	140 mm
Depth	179 mm
Net weight	6.5 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	21.400 cm
Package 1 Width	15.500 cm
Package 1 Length	28.100 cm
Package 1 Weight	5.938 kg
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	12.520 kg

Offer Sustainability

EU RoHS Directive	Compliant
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EU RoHS Declaration	
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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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Recommended replacement(s)