

Product data sheet

Specifications



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

GV5P150F

Main

| | |
|---------------------------|-----------------------|
| Range of product | TeSys GV5 |
| Range | TeSys |
| Device short name | GV5P |
| Product name | TeSys GV5 |
| 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 |
| [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 |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Power dissipation per pole | 9.2 W |
| 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 |
| Connection pitch | 35 mm without spreaders |

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|----------------------------------|--|
| 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 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| 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) |

Environment

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|--------------------------------|------------------------------|
| Protective treatment | TC |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |

Packing Units

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|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 2.4 kg |
| Package 1 Height | 11.8 cm |
| Package 1 width | 17 cm |
| Package 1 Length | 19.1 cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 13.4 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 40 cm |
| Package 2 Length | 60 cm |

Offer Sustainability

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|-----------------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| 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

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|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|