



Main

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| Range | TeSys |
| Product name | TeSys GV2 |
| Device short name | GV2RT |
| Product or component type | Circuit breaker |
| Device application | Motor Transformer |
| Poles description | 3P |
| Network type | AC |
| Utilisation category | Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1 |
| Network frequency | 50/60 Hz conforming to IEC 60947-4-1 |
| Breaking capacity | 100 kA Icu at 220/230 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Thermal protection adjustment range | 0.63...1 A |
| Trip unit technology | Thermal-magnetic |
| Magnetic tripping current | 22 A |

Complementary

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| Mounting mode | By clips By screws |
| Mounting support | Rail |
| Mounting position | Horizontal Vertical |
| Motor power kW | 1 kW at 690 V AC 50/60 Hz transformer protection 0.63 kW at 500 V AC 50/60 Hz transformer protection 0.63 kW at 440 V AC 50/60 Hz transformer protection 0.55 kW at 690 V AC 50/60 Hz motor protection high peak current 0.37 kW at 500 V AC 50/60 Hz motor protection high peak current 0.37 kW at 440 V AC 50/60 Hz motor protection high peak current 0.25 kW at 440 V AC 50/60 Hz motor protection high peak current 0.37 kW at 400/415 V AC 50/60 Hz motor protection high peak current 0.25 kW at 400/415 V AC 50/60 Hz motor protection high peak current 0.12 kW at 220/230 V AC 50/60 Hz motor protection high peak current 0.09 kW at 220/230 V AC 50/60 Hz motor protection high peak current |
| Control type | Toggle |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ith] conventional free air thermal current | 1 A conforming to IEC 60947-4-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 |
| Power dissipation per pole | 2.5 W |
| Mechanical durability | 100000 cycles |
| Electrical durability | 100000 cycles for AC-3 at 440 V |
| Operating rate | 25 cyc/h |
| Rated duty | Continuous conforming to IEC 60947-4-1 |

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| Connections - terminals | Screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm ² - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm ² - cable stiffness : solid |
| Tightening torque | 1.7 N.m - on screw clamp terminals |
| Suitability for isolation | Yes conforming to IEC 60947-1 |
| Phase failure sensitivity | Yes conforming to IEC 60947-4-1 |
| Height | 89 mm |
| Width | 45 mm |
| Depth | 78.5 mm |

Environment

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| Standards | EN 60204 IEC 60947-1 IEC 60947-2 IEC 60947-4-1 NF C 63-120 NF C 63-650 NF C 79-130 UL 508 VDE 0113 VDE 0660 CSA C22.2 |
| Product certifications | CCC CSA UL EAC |
| Protective treatment | TH |
| IP degree of protection | IP20 conforming to IEC 60529 |
| IK degree of protection | IK04 |
| Ambient air temperature for operation | -20...60 °C |
| Ambient air temperature for storage | -40...80 °C |
| Fire resistance | 960 °C conforming to IEC 60695-2-1 |
| Operating altitude | 2000 m |