Product datasheet
Characteristics

GV2RT10
TeSys GV2 - Motor circuit breaker - thermal-magnetic - 4…6.3 A

Main

Range	TeSys
Product name	TeSys GV2
Device short name	GV2RT
Product or component type	Circuit breaker
Device application	Motor Transformer
Trip unit technology	Thermal-magnetic

Complementary

Poles description	3P
Network type	AC
Utilisation category	AC-3 conforming to IEC 60947-4-1 Category A conforming to IEC 60947-2
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Fixing mode	Clipped on 35 mm symmetrical DIN rail Screwed on panel (with adaptor plate)
Operating position	Any position
Motor power kW	1.1 kW at 220/230 V AC 50/60 Hz (motor protection high peak current) 2.2 kW at 400/415 V AC 50/60 Hz (motor protection high peak current) 2.2 kW at 440 V AC 50/60 Hz (motor protection high peak current) 3 kW at 440 V AC 50/60 Hz (motor protection high peak current) 3 kW at 500 V AC 50/60 Hz (motor protection high peak current) 4 kW at 690 V AC 50/60 Hz (motor protection high peak current) 1.6 kW at 230/240 V AC 50/60 Hz (transformer protection) 2 kW at 230/240 V AC 50/60 Hz (transformer protection) 2.5 kW at 400/415 V AC 50/60 Hz (transformer protection) 2.5 kW at 440 V AC 50/60 Hz (transformer protection) 4 kW at 440 V AC 50/60 Hz (transformer protection) 4 kW at 500 V AC 50/60 Hz (transformer protection) 4 kW at 690 V AC 50/60 Hz (transformer protection) 5 kW at 690 V AC 50/60 Hz (transformer protection) 6.3 kW at 690 V AC 50/60 Hz (transformer protection)
Breaking capacity	3 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/230 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Toggle
[In] rated current	6.3 A
Trip unit rating	4...6.3 A
Magnetic tripping current	138 A
[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	6.3 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

Connections - terminals	Screw clamp terminals 2 cable(s) 1...6 mm² solid Screw clamp terminals 2 cable(s) 1.5...6 mm² flexible without cable end Screw clamp terminals 2 cable(s) 1...4 mm² flexible with cable end
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

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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0631 - Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations