

GV2RT08

TeSys GV2 - Circuit breaker - thermal-magnetic -
2.5...4 A - screw clamp terminals



Main

Range	TeSys
Product name	TeSys GV2
Device short name	GV2RT
Product or component type	Circuit breaker
Device application	Transformer Motor
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
Mounting mode	By clips By screws
Mounting support	Rail
Mounting position	Horizontal Vertical
Motor power kW	0.55 kW at 220/230 V AC 50/60 Hz motor protection high peak current 0.75 kW at 220/230 V AC 50/60 Hz motor protection high peak current 1.1 kW at 400/415 V AC 50/60 Hz motor protection high peak current 1.5 kW at 400/415 V AC 50/60 Hz motor protection high peak current 1.5 kW at 440 V AC 50/60 Hz motor protection high peak current 1.5 kW at 500 V AC 50/60 Hz motor protection high peak current 2.2 kW at 500 V AC 50/60 Hz motor protection high peak current 2.2 kW at 690 V AC 50/60 Hz motor protection high peak current 3 kW at 690 V AC 50/60 Hz motor protection high peak current 1 kW at 230/240 V AC 50/60 Hz transformer protection 1.6 kW at 400/415 V AC 50/60 Hz transformer protection 2 kW at 400/415 V AC 50/60 Hz transformer protection 1.6 kW at 440 V AC 50/60 Hz transformer protection 2 kW at 440 V AC 50/60 Hz transformer protection

	2 kW at 500 V AC 50/60 Hz transformer protection 2.5 kW at 500 V AC 50/60 Hz transformer protection 2.5 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 60947-2 100 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 440 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	2.5...4 A
Trip unit rating	2.5...4 A
Magnetic tripping current	78 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	4 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 mm ² - cable stiffness : solid Screw clamp terminals 2 cable(s) 1.5...6 mm ² - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness : 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	VDE 0113 EN 60204 IEC 60947-2 CSA C22.2 VDE 0660 UL 508 NF C 79-130 NF C 63-650 IEC 60947-4-1 IEC 60947-1 NF C 63-120
Product certifications	UL EAC CCC CSA
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

Contractual warranty

Warranty period	18 months
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