Product data sheet
Characteristics

GV2RT20
TeSys GV2 - Circuit breaker - thermal-magnetic - 13…18 A - screw clamp terminals



Main

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 6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 3 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
Thermal protection adjustment range	13...18 A
Trip unit technology	Thermal-magnetic
Magnetic tripping current	400 A

Complementary

Mounting mode	By clips By screws
Mounting support	Rail
Mounting position	Horizontal Vertical
Motor power kW	12.5 kW at 500 V AC 50/60 Hz transformer protection 10 kW at 500 V AC 50/60 Hz transformer protection 10 kW at 440 V AC 50/60 Hz transformer protection 10 kW at 400/415 V AC 50/60 Hz transformer protection 6.3 kW at 230/240 V AC 50/60 Hz transformer protection 5 kW at 230/240 V AC 50/60 Hz transformer protection 15 kW at 690 V AC 50/60 Hz motor protection high peak current 9 kW at 500 V AC 50/60 Hz motor protection high peak current 9 kW at 440 V AC 50/60 Hz motor protection high peak current 7.5 kW at 400/415 V AC 50/60 Hz motor protection high peak current 4 kW at 220/230 V AC 50/60 Hz motor protection high peak current 10 kW at 690 V AC 50/60 Hz transformer protection 7.5 kW at 440 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	18 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

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Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	Screw clamp terminals 2 cable(s) 1...4 mm² - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm² - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm² - 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

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