

Product data sheet

Characteristics

GV2RT20

Motor circuit breaker, TeSys GV2, 3P, 13-18 A, thermal magnetic, screw clamp terminals



Main

Range	TeSys
Product name	TeSys GV2
Product or component type	Circuit breaker
Device short name	GV2RT
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	35 mm symmetrical DIN rail: clipped Panel: screwed (with adaptor plate)
Operating position	Any position
Motor power kW	7.5 kW at 440 V AC 50/60 Hz motor protection high peak current 10 kW at 690 V AC 50/60 Hz transformer protection 4 kW at 220/230 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 9 kW at 440 V AC 50/60 Hz motor protection high peak current 9 kW at 500 V AC 50/60 Hz motor protection high peak current 15 kW at 690 V AC 50/60 Hz motor protection high peak current 5 kW at 230/240 V AC 50/60 Hz transformer protection 6.3 kW at 230/240 V AC 50/60 Hz transformer protection 10 kW at 400/415 V AC 50/60 Hz transformer protection 10 kW at 440 V AC 50/60 Hz transformer protection 10 kW at 500 V AC 50/60 Hz transformer protection 12.5 kW at 500 V AC 50/60 Hz transformer protection
Breaking capacity	3 kA Icu at 690 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 8 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/230 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Toggle
[In] rated current	18 A
Thermal protection adjustment range	13...18 A
Magnetic tripping current	400 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	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

Maximum operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Tightening torque	1.7 N.m on screw clamp terminals
Suitability for isolation	Yes conforming to IEC 60947-1
Height	89 mm
Width	45 mm
Depth	78.5 mm





Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	IECEE CB Scheme UL CSA CCC EAC BV LROS (Lloyds register of shipping) UKCA
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	293 g
Package 1 Height	4.8 cm
Package 1 width	8.5 cm
Package 1 Length	9.3 cm
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Weight	7.22 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Weight	128.292 kg
Package 3 Height	77 cm
Package 3 width	60 cm
Package 3 Length	80 cm

Offer Sustainability

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

Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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GV2ME•• and GV2RT

