



Main

Range	TeSys
Product name	TeSys GV2
Device short name	GV2ME
Product or component type	Circuit breaker
Device application	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
Fixing mode	Clipped on 35 mm symmetrical DIN rail Screwed on panel (with adaptor plate)
Operating position	Any position
Motor power kW	0.25 kW at 400/415 V AC 50/60 Hz 0.37 kW at 400/415 V AC 50/60 Hz 0.37 kW at 500 V AC 50/60 Hz
Breaking capacity	100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 230/240 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 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
[In] rated current	1 A
Trip unit rating	0.63...1 A
Magnetic tripping current	13 A
System Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[U _i] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[I _{th}] conventional free air thermal current	1 A conforming to IEC 60947-4-1
[U _{imp}] 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 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 solid Screw clamp terminals 2 cable(s) 1.5...6 mm ² flexible without cable end Screw clamp terminals 2 cable(s) 1...4 mm ² 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

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Height	3.5 in (89 mm)
Width	1.75 in (44.5 mm)
Depth	3.08 in (78.2 mm)
Product weight	0.62 lb(US) (0.28 kg)

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	ATEX BV CCC CEBEC CSA DNV EZU GL LROS (Lloyds register of shipping) RINA SETI TSE UL EAC
protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK04
ambient air temperature for operation	-4...140 °F (-20...60 °C)
ambient air temperature for storage	-40...176 °F (-40...80 °C)
fire resistance	1760 °F (960 °C) conforming to IEC 60695-2-1
operating altitude	6561.68 ft (2000 m)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0631 - Schneider Electric declaration of conformity	Compliant - since 0631 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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