

## Main

Range of product	GV2ME
Device short name	Thermal magnetic circuit breaker
Circuit breaker application	Motor protection
Poles description	3P
Network type	AC
Control type	Pushbutton
Magnetic tripping current	327 A
Suitability for isolation	Yes conforming to IEC 60947-1 § 7-1-6
Utilisation category	AC-3 conforming to IEC 60947-4-1 Category A conforming to IEC 60947-2
Connections - terminals	Control circuit: ring terminal 2 cable 1...6 mm <sup>2</sup> - cable stiffness: solid Control circuit: ring terminal 2 cable 1.5...6 mm <sup>2</sup> - cable stiffness: flexible - without cable end Control circuit: ring terminal 2 cable 1...4 mm <sup>2</sup> - cable stiffness: flexible - with cable end

## Complementary

Network frequency	50/60 Hz
Mounting mode	Fixed
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Motor power kW	11 kW at 400...415 V AC 50/60 Hz 15 kW at 500 V AC 50/60 Hz
[In] rated current	25 A
Thermal protection adjustment range	20...25 A conforming to IEC 60947-4-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1 § 7-2-1-5-2
[Ue] rated operational voltage	600 V AC 50/60 Hz conforming to CSA C22-2 No 14 600 V AC 50/60 Hz conforming to UL 508 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ui] rated insulation voltage	600 V AC 50/60 Hz conforming to CSA C22-2 No 14 600 V AC 50/60 Hz conforming to UL 508 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ith] conventional free air thermal current	25 A conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to CSA C22-2 No 14 50/60 Hz conforming to UL 50/60 Hz conforming to CSA
[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 on AC-3 at 440 V In/2 100000 cycles on AC-3 at 440 V In
Maximum number of switchings	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connection pitch	13.5 mm without spreader
Tightening torque	1.7 N.m - on ring terminal - cable 1...6 mm <sup>2</sup> 1.7 N.m - on ring terminal - cable 1.5...6 mm <sup>2</sup> 1.7 N.m - on ring terminal - cable 1...4 mm <sup>2</sup>

Type of lugs	Bars - width: ≤ 9.5 mm - distance hole to end: ≤ 10 - thickness: ≤ 6 mm - screw: M4 Lugs - width: ≤ 9.5 mm - distance hole to end: ≤ 10 - thickness: ≤ 6 mm - screw: M4
Breaking capacity	Icu 50 kA at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 15 kA at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 3 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 4 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 6 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	40 % at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 230...240 V AC 50/60 Hz conforming to IEC 60947-2
Height	101 mm
Width	44.5 mm
Depth	78.2 mm

## Environment

Standards	CSA C22-2 No 14-05 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
Product certifications	ATEX BV CCC CEBEC CSA DNV (Det Norske Veritas) EZU GL GOST Lloyd's Register of Shipping PTB RINA SETI TSE UL
Protective treatment	TH
IP degree of protection	IP20 open mounted conforming to IEC 60529
Shock resistance	30 gn 11 ms conforming to IEC 60068-2-27
Ambient air temperature for operation	-20...40 °C in enclosure -20...60 °C open mounted
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	≤ 2000 m
Resistance to mechanical impact	0.5 J
RoHS EUR conformity date	0635
RoHS EUR status	Compliant