Product data sheet
Characteristics

GV2ME08
motor circuit breaker GV2-ME - 3 poles 3d - 2.5...4 A - thermomagnetic trip unit

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
Motor power kW	1.1 kW 400...415 V AC 50/60 Hz 1.5 kW 400...415 V AC 50/60 Hz 1.5 kW 500 V AC 50/60 Hz 2.2 kW 500 V AC 50/60 Hz 2.2 kW 690 V AC 50/60 Hz 3 kW 690 V AC 50/60 Hz
Magnetic tripping current	51 A
Suitability for isolation	Yes IEC 60947-1 § 7-1-6
Utilisation category	AC-3 IEC 60947-4-1 Category A IEC 60947-2
Connections - terminals	Screw clamp terminal 2 1...4 mm² flexible with Screw clamp terminal 2 1.5...6 mm² flexible without Screw clamp terminal 2 1...6 mm² solid

Complementary

Network frequency	50/60 Hz
Mounting mode	Fixed
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
[In] rated current	4 A
Thermal protection adjustment range	2.5...4 A IEC 60947-4-1
Phase failure sensitivity	Yes IEC 60947-4-1 § 7-2-1-5-2
[Ue] rated operational voltage	600 V AC 50/60 Hz CSA C22-2 No 14 600 V AC 50/60 Hz UL 508 690 V AC 50/60 Hz IEC 60947-2
[Ui] rated insulation voltage	600 V CSA C22-2 No 14 600 V UL 508 690 V IEC 60947-2
[Ith] conventional free air thermal current	4 A IEC 60947-4-1
Network frequency	50/60 Hz IEC 60947-4-1 50/60 Hz UL 50/60 Hz CSA
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-2
Power dissipation per pole	2.5 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-3 440 V In/2
Maximum number of switchings	25 cyc/h
Rated duty	Continuous IEC 60947-4-1
Tightening torque	1.7 N.m screw clamp terminal 1...6 mm² 1.7 N.m screw clamp terminal 1...4 mm² 1.7 N.m screw clamp terminal 1.5...6 mm²

Breaking capacity	3 kA Icu IEC 60947-2 690 V AC 50/60 Hz > 100 kA Icu IEC 60947-2 230...240 V AC 50/60 Hz > 100 kA Icu IEC 60947-2 400...415 V AC 50/60 Hz > 100 kA Icu IEC 60947-2 440 V AC 50/60 Hz > 100 kA Icu IEC 60947-2 500 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	75 % IEC 60947-2 690 V AC 50/60 Hz > 100 % IEC 60947-2 500 V AC 50/60 Hz > 100 % IEC 60947-2 440 V AC 50/60 Hz > 100 % IEC 60947-2 400...415 V AC 50/60 Hz > 100 % IEC 60947-2 230...240 V AC 50/60 Hz
Height	89 mm
Width	44.5 mm
Depth	78.2 mm
Product weight	0.26 kg

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 LROS (Lloyds register of shipping) PTB RINA SETI TSE UL
Protective treatment	TH
IP degree of protection	IP20 open mounted IEC 60529
Shock resistance	30 gn 11 ms 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 IEC 60695-2-1
Operating altitude	≤ 2000 m
Resistance to mechanical impact	0.5 J open mounted
RoHS EUR conformity date	0631
RoHS EUR status	Compliant