



Main

Range of product	GV2L
Product or component type	Circuit breaker
Circuit breaker application	Motor protection
Poles description	3P
Network type	AC
Control type	Rotary knob
Motor power kW	0.12 kW at 400/415 V AC 50/60 Hz 0.18 kW at 400/415 V AC 50/60 Hz 0.37 kW at 690 V AC 50/60 Hz
[In] rated current	0.63 A
Magnetic tripping current	8 A
Thermal protection adjustment range	0.4...0.63 A conforming to IEC 60947-4-1
Utilisation category	AC-3 conforming to IEC 60947-4-1 Category A conforming to IEC 60947-2
Connections - terminals	Power circuit: screw clamp terminal 2 cable 1...6 mm ² - cable stiffness: solid Power circuit: screw clamp terminal 2 cable 1.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit: screw clamp terminal 2 cable 1...4 mm ² - cable stiffness: flexible - with cable end

Complementary

Network frequency	50/60 Hz
Mounting mode	Fixed
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Trip unit technology	Magnetic
[Ue] rated operational voltage	690 V conforming to IEC 60947-2 AC 50/60 Hz
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Ith] conventional free air thermal current	0.63 A conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
Power dissipation per pole	1.8 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles on AC-3 at 415 V On-Off
Maximum number of switchings	40 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Tightening torque	1.7 N.m - on screw clamp terminal - cable 1...6 mm ² 1.7 N.m - on screw clamp terminal - cable 1.5...6 mm ² 1.7 N.m - on screw clamp terminal - cable 1...4 mm ²
Breaking capacity	> 100 kA Icu conforming to IEC 60947-2 at 230/240 V AC 50/60 Hz > 100 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz > 100 kA Icu conforming to IEC 60947-2 at 440/415 V AC 50/60 Hz > 100 kA Icu conforming to IEC 60947-2 at 500 V AC 50/60 Hz > 100 kA Icu conforming to IEC 60947-2 at 690 V AC 50/60 Hz

[Ics] rated service short-circuit breaking capacity	> 100 % conforming to IEC 60947-2 at 230/240 V AC 50/60 Hz > 100 % conforming to IEC 60947-2 at 440 V AC 50/60 Hz > 100 % conforming to IEC 60947-2 at 440/415 V AC 50/60 Hz > 100 % conforming to IEC 60947-2 at 500 V AC 50/60 Hz > 100 % conforming to IEC 60947-2 at 690 V AC 50/60 Hz
Height	89 mm
Width	44.5 mm
Depth	97 mm
Product weight	0.33 kg

Environment

Standards	EN 60204 IEC 60947-1 IEC 60947-2 NF C 63-120 NF C 63-650 NF C 79-130 UL 1077 VDE 0113 VDE 0660
Product certifications	BV CCC CSA DNV (Det Norske Veritas) GL LROS (Lloyds register of shipping) RINA UL
Protective treatment	TH
Shock resistance	30 gn conforming to IEC 60068-2-27
Vibration resistance	5 gn 5...150 Hz conforming to IEC 60068-2-6
Ambient air temperature for operation	-40...60 °C
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