GV2ME01

TeSys GV2-Circuit breaker-thermal-magnetic-0.1...0.16 A -screw clamp terminals





Main

Range	TeSys
Product name	TeSys GV2
Device short name	GV2ME
Product or component type	Circuit breaker
Circuit breaker application	Motor protection
Poles description	3P
Network type	AC
Utilisation category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Breaking capacity	Icu = 100 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[lcs] rated service short-circuit breaking capacity	100 % at 400/415 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 230/240 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
Thermal protection adjustment range	0.10.16 A
Trip unit technology	Thermal-magnetic
Magnetic tripping cur- rent	1.5 A

Complementary

Complementary		
Mounting mode	By clips	
	By screws	
Mounting support	Rail	
Mounting position	Horizontal	
	Vertical	
Control type	Pushbutton	
[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	0.16 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	
Operating rate	25 cyc/h	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	Screw clamp terminals 2 cable(s) 14 mm² - cable stiffness : flexible - with cable
	end Screw clamp terminals 2 cable(s) 1.56 mm² - cable stiffness : flexible - without
	cable end
	Screw clamp terminals 2 cable(s) 16 mm² - cable stiffness : solid
Tightening torque	1.7 N.m - on screw clamp terminals
Mechanical robustness	Shocks 30 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations 5 Gn, 5150 Hz conforming to IEC 60068-2-6
Suitability for isolation	Yes conforming to IEC 60947-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Height	89 mm
Width	45 mm
Depth	78.2 mm
Product weight	0.26 kg
Environment	
Standards	EN 60204
	IEC 60947-1 IEC 60947-2
	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
Froduct certifications	BV
	CCC
	CEBEC
	CSA DNV
	EZU
	GL
	GOST
	RINA
	SETI TSE
	UL
	LROS
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK04
Ambient air temperature for operation	-2060 °C
Ambient air temperature for storage	-4080 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	2000 III
Offer Sustainability	Out of Participants of
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0631 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
Contractual warranty	
Poriod	19 months

18 months

Period