Product data sheet
Characteristics

GV3ME80
Motor circuit breaker, TeSys Deca, 3P, 56-80 A, thermal magnetic, screw clamp terminals



⚠ End of Commercialisation

Commercial status
End of Commercialisation : SEPT 09, 2022

Main

Range	TeSys Deca
Product name	TeSys GV3
Product or component type	Motor circuit breaker
Device short name	GV3ME
Device application	Motor protection
Trip unit technology	Thermal-magnetic

Complementary

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 60947-2
Motor power kW	37 KW at 400/415 V AC 50/60 Hz 45 KW at 500 V AC 50/60 Hz 55 KW at 690 V AC 50/60 Hz
Breaking capacity	100 KA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 15 KA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 4 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 2 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 50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 60 % 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
Control type	Push-button
[In] rated current	80 A
Thermal protection adjustment range	56…80 A conforming to IEC 60947-2
Magnetic tripping current	1040 A
[Ith] conventional free air thermal current	80 A conforming to IEC 60947-2
[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
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-2
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Suitability for isolation	Yes conforming to IEC 60947-1
Power dissipation per pole	8 W
Mechanical durability	30000 Cycles
Electrical durability	30000 Cycles for AC-3 at 415 V In

Rated duty	Uninterrupted conforming to IEC 60947-4-1
Tightening torque	5 N.M - on screw clamp terminal
Fixing mode	35 mm symmetrical DIN rail: clipped Panel: screwed (with 3 x M4 screws)
Mounting position	Horizontal Vertical
Width	55 Mm
Height	132 Mm
Depth	136 Mm
Net weight	0.96 Kg
Colour	Dark grey

Environment

Standards	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC/EN 60335-1:Clause 30.2 IEC/EN 60335-2-40:Annex JJ
Product certifications	CCC[RETURN]EAC[RETURN]LROS (Lloyds register of shipping)[RETURN]BV[RETURN]ABS[RE
IP degree of protection	IP20 conforming to IEC 60529
Climatic withstand	Conforming to IACS E10
Ambient air temperature for storage	-40…80 °C
Fire resistance	960 °C conforming to IEC 60695-2-11
Ambient air temperature for operation	-20…60 °C
Mechanical robustness	Shocks: 22 Gn for 20 ms Vibrations: 2.5 Gn, 0...25 Hz
Operating altitude	3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7 Cm
Package 1 Width	12.5 Cm
Package 1 Length	13.3 Cm
Package 1 Weight	721 G

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

GV3ME80 may be replaced by any of the following products:



GV3P73

Motor circuit breaker,TeSys Deca frame 3,3P,62-73A,thermal magnetic,EverLink terminals

Qty 1

Substitution date: |