Product data sheet
Characteristics

GV3P80
Motor circuit breaker,TeSys Deca frame 3,3P,70-80A,thermal magnetic,EverLink terminals



Main

Range	TeSys Deca
Product name	TeSys GV3
Product or component type	Motor circuit breaker
Device short name	GV3P
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	45 KW at 400/415 V AC 50/60 Hz maximum peak current 750 A 45 KW at 500 V AC 50/60 Hz maximum peak current 750 A 55 KW at 690 V AC 50/60 Hz maximum peak current 750 A
Breaking capacity	65 KA Icu at 230/240 V AC 50/60 Hz 50 KA Icu at 400/415 V AC 50/60 Hz 50 KA Icu at 440 V AC 50/60 Hz 12 KA Icu at 500 V AC 50/60 Hz 6 KA Icu at 690 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	100 % at 230/240 V AC 50/60 Hz 60 % at 400/415 V AC 50/60 Hz 60 % at 440 V AC 50/60 Hz 50 % at 500 V AC 50/60 Hz 50 % at 690 V AC 50/60 Hz
Control type	Rotary handle
[In] rated current	80 A
Thermal protection adjustment range	70…80 A conforming to IEC 60947-2
Magnetic tripping current	1120 A
[Ith] conventional free air thermal current	80 A conforming to IEC 60947-2
[Ue] rated operational voltage	690 V AC 50/60 Hz
[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	50000 Cycles
Electrical durability	20000 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 IEC/EN 60335-1:Clause 30.2 IEC/EN 60335-2-40:Annex JJ
Product certifications	CB Scheme[RETURN]CE[RETURN]UKCA[RETURN]CCC[RETURN]EAC[RETURN]ATEX[RETUR
IK degree of protection	IK09 enclosure
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: 5 Gn for 11 ms contactor open Shocks: 30 Gn for 11 ms contactor closed Vibrations: 4 Gn, 5...300 Hz
Operating altitude	3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.500 Cm
Package 1 Width	14.500 Cm
Package 1 Length	16.000 Cm
Package 1 Weight	1.020 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	120
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	135.500 Kg

Offer Sustainability

Recyclability potential, in %	58
Total lifecycle Carbon footprint	30 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	5.484113459283891
Carbon footprint of the manufacturing phase [A1 to A3]	5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.28544635420228376
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1069344392964876
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	21.070000000000004
Carbon footprint of the use phase [B2, B3, B4, B6]	21 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	2.5759934932242534

Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	30
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	2057c252-f956-4ac1-a3d9-75119bc8a000
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead, which is known to the S
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised