

Product data sheet

Characteristics

GK3EF80

Motor circuit breaker, TeSys GK3, 3P, 80 A, magnetic, rotary handle, screw clamp terminals



EAN Code: 3389110357653



Main

Range	TeSys Deca
Range of product	TeSys GV3
Device short name	GK3EF
Product name	TeSys GV3
Product or component type	Motor circuit breaker
Device application	Motor protection
Trip unit technology	Magnetic

Complementary

Poles description	3P
Network type	AC
Utilisation category	Category A conforming to IEC 60947-2
Network frequency	50/60 Hz
Fixing mode	35 mm symmetrical DIN rail: clipped Panel: screwed (with 3 x M4 screws)
Operating position	Any position
Motor power kW	37 kW at 400/415 V AC 50/60 Hz 55 kW at 500 V AC 50/60 Hz
Breaking capacity	6 kA Icu at 690 V AC 50/60 Hz 50 kA Icu at 230/240 V AC 50/60 Hz 35 kA Icu at 400/415 V AC 50/60 Hz 25 kA Icu at 440 V AC 50/60 Hz 15 kA Icu at 500 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	50 % at 690 V AC 50/60 Hz 40 % at 230/240 V AC 50/60 Hz 25 % at 400/415 V AC 50/60 Hz 30 % at 440 V AC 50/60 Hz 30 % at 500 V AC 50/60 Hz
Control type	Rotary handle
[In] rated current	80 A
Magnetic tripping current	1040 A
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	10 kV conforming to IEC 60947-2
Electrical durability	1500 cycles for AC-3 at 415 V
Maximum operating rate	40 cyc/h
Tightening torque	5 N.m on screw clamp terminals
Mechanical robustness	Shocks: 22 Gn for 20 ms conforming to IEC 60068-2-27 Vibrations: 2.5 Gn, 0...25 Hz conforming to IEC 60068-2-6
Height	120 mm
Width	66 mm
Depth	105 mm

Net weight	0.795 kg
Suitability for isolation	Yes conforming to IEC 60947-1

Environment

Standards	EN 60204 IEC 60947-2
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-11
Operating altitude	3000 m
Ambient air temperature for operation	-20...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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