

## 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
[lcs] 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, 025 Hz conforming to IEC 60068-2-6
Height	120 mm
Width	66 mm
Depth	105 mm

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.

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	-4080 °C
Fire resistance	960 °C conforming to IEC 60695-2-11
	3000 m
Operating altitude	0000 III
Ambient air temperature for operation  Packing Units	-2070 °C
Ambient air temperature for operation  Packing Units	-2070 °C
Ambient air temperature for operation	
Ambient air temperature for operation  Packing Units  Unit Type of Package 1  Number of Units in Package 1	-2070 °C PCE
Ambient air temperature for operation  Packing Units Unit Type of Package 1  Number of Units in Package 1  Offer Sustainability	-2070 °C PCE
Ambient air temperature for operation  Packing Units Unit Type of Package 1  Number of Units in Package 1  Offer Sustainability Sustainable offer status	-2070 °C  PCE 1
Ambient air temperature for operation  Packing Units Unit Type of Package 1  Number of Units in Package 1  Offer Sustainability  Sustainable offer status  EU RoHS Directive	-2070 °C  PCE 1  Green Premium product
Ambient air temperature for operation  Packing Units  Unit Type of Package 1	-2070 °C  PCE  1  Green Premium product  Compliant  □ EU RoHS Declaration
Ambient air temperature for operation  Packing Units  Unit Type of Package 1  Number of Units in Package 1  Offer Sustainability  Sustainable offer status  EU RoHS Directive  Mercury free	-2070 °C  PCE  1  Green Premium product  Compliant  □ EU RoHS Declaration  Yes

18 months

Warranty