



Main

Range of product	TeSys GV3
Device short name	GK3EF
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
Network frequency	50...60 Hz
Breaking capacity	Icu = 6 kA at 690 V AC 50...60 Hz Icu = 15 kA at 500 V AC 50...60 Hz Icu = 25 kA at 440 V AC 50...60 Hz Icu = 35 kA at 400/415 V AC 50...60 Hz Icu = 50 kA at 230/240 V AC 50...60 Hz
[Ics] rated service short-circuit breaking capacity	50 % at 690 V AC 50...60 Hz 30 % at 500 V AC 50...60 Hz 30 % at 440 V AC 50...60 Hz 25 % at 400/415 V AC 50...60 Hz 40 % at 230/240 V AC 50...60 Hz
Trip unit rating	80 A
Trip unit technology	Magnetic
Magnetic tripping current	1040 A

Complementary

Mounting mode	By clips By screws
Mounting support	Rail
Mounting position	Any position
Motor power kW	55 kW at 500 V AC 50/60 Hz 37 kW at 400/415 V AC 50/60 Hz
Control type	Rotary knob
[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
Operating rate	40 cyc/h
Connections - terminals	Screw clamp terminals 2 cable(s) 2.5...16 mm ² - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 2.5...16 mm ² - cable stiffness : flexible - without cable end Screw clamp terminals 1 cable(s) 2.5...35 mm ² - cable stiffness : solid
Tightening torque	5 N.m - on screw clamp terminals
Mechanical robustness	Vibrations 2.5 Gn, 0...25 Hz conforming to IEC 60068-2-6 Shocks 22 Gn for 20 ms conforming to IEC 60068-2-27
Suitability for isolation	Yes conforming to IEC 60947-1
Height	120 mm
Width	66 mm
Depth	105 mm
Product weight	0.795 kg

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Environment

Standards	EN 60204 IEC 60947-2
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	3000 m

Contractual warranty

Period	18 months
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