Product data sheet
Characteristics

GV7RS25
TeSys GV7 - circuit breaker - 3P - AC-3 - 15...25 A - thermal-magnetic

Main

Range	TeSys
Product name	TeSys GV7
Device short name	GV7R
Product or component type	Circuit breaker
Device application	Motor
Poles description	3P
Network type	AC
Utilisation category	AC-3 conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Breaking capacity	70 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 690 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 440 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 230...240 V AC 50/60 Hz conforming to IEC 60947-2
Thermal protection adjustment range	15...25 A (-25...70 °C)
Trip unit technology	Thermal-magnetic

Complementary

Mounting mode	By clips By screws
Mounting support	Flush Panel mounting Rail Kit for fixing the switchgear
Mounting position	Vertical
Motor power kW	18.5 kW at 660/690 V AC 50/60 Hz 15 kW at 500 V AC 50/60 Hz 11 kW at 400/415 V AC 50/60 Hz 9 kW at 400/415 V AC 50/60 Hz 15 kW at 660/690 V AC 50/60 Hz 11 kW at 500 V AC 50/60 Hz
Control type	Rocker lever
[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
[Ith] conventional free air thermal current	12...100 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
Power dissipation per pole	5 W
Power dissipation per pole	5 W
Mechanical durability	50000 cycles

Electrical durability	50000 cycles for AC-3 at 440 V In/2 30000 cycles for AC-3 at 440 V In
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connection pitch	45 mm with spreaders 35 mm without spreaders
Connections - terminals	Bare cable connectors 1.5...95 mm² Screw Cable with lug - external diameter : 10 mm Bars
Tightening torque	15 N.m - on bare cable connectors- cable 1.5...95 mm² 10 N.m - on screw - screw M6
Mechanical robustness	Vibrations 2.5 Gn, 0...25 Hz conforming to IEC 60068-2-6 Shocks 15 Gn for 11 ms conforming to IEC 60068-2-27
Suitability for isolation	Yes conforming to IEC 60947-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1 § 7-2-1-5-2
Height	125 mm
Width	105 mm
Depth	111 mm
Product weight	2.01 kg

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 NF C 63-120 NF C 63-650 NF C 79-130 VDE 0113 VDE 0660
Product certifications	CCC DNV UL
Protective treatment	TC
IP degree of protection	IP405 with terminal shrouds conforming to IEC 60529
Pollution degree	3
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-55...95 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	2000 m