



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	50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 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 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 440 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 220/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit rating	30...50 A
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	22 kW at 400...415 V AC 50/60 Hz 30 kW at 500 V AC 50/60 Hz 30 kW at 660...690 V AC 50/60 Hz
Control type	Rocker lever
System 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	50 A conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
Power dissipation	5 W
Power dissipation per pole	5 W
Mechanical durability	50000 cycles
Electrical durability	30000 cycles AC-3 at 440 V In 50000 cycles AC-3 at 440 V In/2
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connection pitch	1.38 in (35 mm) without spreaders

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	1.77 in (45 mm) with spreaders
Connections - terminals	Screw Bars Cable with lug - external diameter : 10 mm Bare cable connectors 1.5...95 mm ²
Tightening torque	10 N.m - on screw - screw M6 15 N.m - on bare cable connectors- cable 1.5...95 mm ²
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	4.92 in (125 mm)
Width	4.13 in (105 mm)
Depth	4.37 in (111 mm)
Product weight	4.44 lb(US) (2.015 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	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	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-67...203 °F (-55...95 °C)
fire resistance	1760 °F (960 °C) conforming to IEC 60695-2-1
operating altitude	6561.68 ft (2000 m)

Contractual warranty

Warranty period	18 months
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