



Main

Range	TeSys
Product name	TeSys GV4
Device short name	GV4PEM
Product or component type	Multifunction circuit breaker
Device application	Motor protection
Protection type	Long start Short-circuit Overload Phase loss Jam Short time short-circuit protection Ground fault protection Phase unbalance Locked rotor
Utilisation category	Category A
Suitability for isolation	Yes conforming to IEC 60947-1
Poles description	3P
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[In] rated current	115 A
Trip unit technology	Thermal-magnetic Electronic
Magnetic tripping current	1955 A
[I _{sd}] short-time pick-up adjustment range	5...13 x I _r
Thermal protection adjustment range	65...115 A
Motor tripping class	10 20
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Breaking capacity	Icu 120 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 100 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 KA at 208Y/120 V AC 50/60 Hz conforming to UL 60947 100 KA at 240 V AC 50/60 Hz conforming to UL 60947 65 KA at 480Y/277 V AC 50/60 Hz conforming to UL 60947 Icu 10 kA at 660...690 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 600Y/347 V AC 50/60 Hz conforming to UL 60947

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[Ics] rated service breaking capacity	120 KA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 100 KA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 70 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 18 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 2.5 KA at 660...690 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	IEC 60947-2 8 kV
[Ui] rated insulation voltage	800 V conforming to IEC 60947-2
Mechanical durability	40000 Cycles
Electrical durability	10000 Cycles for AC-3 at 440 V In/2 5000 Cycles for AC-3 at 440 V In

Complementary

Motor power kW	37 KW at 400...415 V AC 50/60 Hz 45 KW at 400...415 V AC 50/60 Hz 55 KW at 400...415 V AC 50/60 Hz 45 KW at 500 V AC 50/60 Hz 55 KW at 500 V AC 50/60 Hz 75 KW at 500 V AC 50/60 Hz 75 KW at 660...690 V AC 50/60 Hz 90 KW at 660...690 V AC 50/60 Hz 110 KW at 660...690 V AC 50/60 Hz
Control type	Toggle
Rotary handle padlocking	With a lock accessory
Number of slots	1 slot(s) for alarm switch for fault signalling contact, plug-in 1 slot(s) for voltage release for electrical remote tripping, plug-in 1 slot(s) for auxiliary switch for open/close contact, plug-in
Local signalling	Flashing LED (green)ready: LED (red)alarm (T° >95%): Green indicatorpresence of auxiliary contacts:
Communication port protocol	NFC
Standards	CSA C22.2 No 60947-4-1 UL 60947-4-1 EN/IEC 60947-2 EN/IEC 60947-4-1
Product certifications	IEC UL CSA CCC EAC ATEX EU-RO MR
Quality labels	CE
Mounting mode	By clips By screws
Mounting support	75 mm symmetrical DIN rail Plate 35 mm symmetrical DIN rail
Connections - terminals	Lugs-ring terminals
Connection pitch	27 Mm
Tightening torque	9 N.M for 16...95 mm ² 5 N.M for 1.5...10 mm ²
Width	81 Mm
Height	155 Mm
Depth	116 Mm
Net weight	1.45 Kg
Colour	Grey (RAL 7016)

Environment

Ambient air temperature for storage	-50...85 °C
Ambient air temperature for operation	-25...70 °C
Operating altitude	0...2000 m without derating 2000...5000 m with derating
IP degree of protection	IP40 front face conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262

Pollution degree	3 conforming to IEC 60947-1
Tropicalisation	2 conforming to IEC 68-2
Mechanical robustness	Vibrations: +/- 1 mm 2...13.2 Hz conforming to IEC 60068-2-6 Vibrations: 0.7 gn 13.2...100 Hz conforming to IEC 60068-2-6 Shocks: 15 gn 11 ms conforming to IEC 60068-2-27

Packing Units

Package 1 Weight	1.430 Kg
Package 1 Height	16.500 Cm
Package 1 width	11.000 Cm
Package 1 Length	22.000 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**