

# GV2P20

## TeSys GV2 - Circuit breaker - thermal-magnetic - 13...18 A - screw clamp terminals



### Main

Range	TeSys
Product name	TeSys GV2
Device short name	GV2P
Product or component type	Circuit breaker
Device application	Motor
Poles description	3P
Network type	AC
Utilisation category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Breaking capacity	I <sub>cu</sub> = 50 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 10 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 4 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	50 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2
Thermal protection adjustment range	13...18 A
Trip unit technology	Thermal-magnetic
Magnetic tripping current	223 A

### Complementary

Mounting mode	By clips By screws
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Motor power kW	15 kW at 690 V AC 50/60 Hz 9 kW at 500 V AC 50/60 Hz 7.5 kW at 400/415 V AC 50/60 Hz
Control type	Rotary knob
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>i</sub> ] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>th</sub> ] conventional free air thermal current	18 A conforming to IEC 60947-4-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
Power dissipation per pole	2.5 W

Mechanical durability	100000 cycles
Electrical durability	100000 cycles for AC-3 at 440 V
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	Screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm <sup>2</sup> - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> - cable stiffness : solid
Tightening torque	1.7 N.m - on screw clamp terminals
Mechanical robustness	Shocks 30 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6
Suitability for isolation	Yes conforming to IEC 60947-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Height	89 mm
Width	45 mm
Depth	97 mm

## Environment

Standards	EN 60204 IEC 60947-1 IEC 60947-2 IEC 60947-4-1 NF C 63-120 NF C 63-650 NF C 79-130 UL 508 VDE 0113 VDE 0660 CSA C22.2
Product certifications	ATEX BV CCC CSA DNV EZU GL GOST RINA TSE UL UL 508 type E LROS
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK04
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	2000 m

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0631 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations