

Characteristics - TeSys GV5 and GV6 - 55 to 250 kW

TeSys protection components

Thermal-magnetic motor circuit breakers GV5P and GV6P

Environment							
Circuit breaker type			GV5P/ GV6P				
Conforming to standards			IEC/EN 60947-4-1 IEC/EN 60947-2 UL 60947-4-1 CSA C22.2 n° 60947-4-1				
Product certifications			CB, CCC, UL, CSA, EAC, DNV -GL				
Climatic withstand			According to IACS E10				
Degree of protection (front face)	Conforming to IEC 60529	Bare circuit breaker with terminal shields	IP40 with direct rotary handle				
		Installed in switchboard	IP40 with direct rotary handle / IP43 with MCC conversion accessory/ IP55 with extended rotary handle				
Shock resistance	Conforming to IEC 60068-2-27		15 gn -11 ms				
Vibration resistance	Conforming to IEC 60068-2-6		2.5 gn (25 Hz)				
Ambient air temperature	Storage in packing		°C	-50...+85			
	Operation	Open mounted	°C	-25...+70			
		In enclosure	°C	-25...+70			
Flame resistance	Conforming to IEC 60695-2-11		°C	960			
Maximum operating altitude			m	2000			
Suitable for isolation	Conforming to IEC 60947-1 § 7-1-6		Yes				
Resistance to mechanical impact			J	0,5			
Sensitivity to phase failure			Yes				
Technical characteristics							
Circuit breaker type			GV5P150	GV5P220	GV6P320	GV6P500	
Utilisation category	Conforming to IEC 60947-2		A				
	Conforming to IEC 60947-4-1		AC-3				
Rated operational voltage (Ue)	Conforming to IEC 60947-2		V	690			
Rated insulation voltage (Ui)	Conforming to IEC 60947-2		V	800			
Rated voltage	Conforming to UL 60947-4-1, CSA C22.2 n° 60947-4-1		V	600			
Rated operational frequency	Conforming to IEC 60947-4-1 UL, CSA		Hz	50/60			
Rated impulse withstand voltage (U imp)	Conforming to IEC 60947-2		kV	8			
Total power dissipated per pole			W	9.2	17.6	19.2	39.7
Mechanical durability (C.O.: Close, Open)			C.O.	40 000	20 000	15 000	15 000
Electrical durability for AC-3 duty	400/415 V (In)		C.O.	20 000	10 000	6 000	4 000
Duty class (maximum operating rate)			C.O./h	25			
Maximum conventional rated thermal current (Ith)	Conforming to IEC 60947-4-1		A	70...150	100...220	160...320	250...500
Rated duty	Conforming to IEC 60947-4-1			Continuous duty			

Circuit breakers