

SGV2-M Series

Motor Protection Circuit Breaker

Technical data

Standard	IEC60947-2, IEC60947-4-1	
Approvals	CE	
Utilization Category	According to IEC60947-2	A
	According to IEC60947-4-1	AC-3
Rated insulation voltage U_i (V)	690	
Rated operational voltage U_e (V)	230/240,400/415,440,500,660/690	
Rated impulse withstand voltage U_{imp} (kA)	6	
Electrical life in AC-3(times)	10000	
Mechanical life(times)	20000	
Tightening torque(N.m)	1.7	
Degree of Protection	IP 20; IP65 with enclosure	
Ambient air temperature(°C)	- 5 to + 40, max. 95% humidity	
Storage temperature(°C)	-40~+70	
Maximum operating altitude(meters)	≤2000	

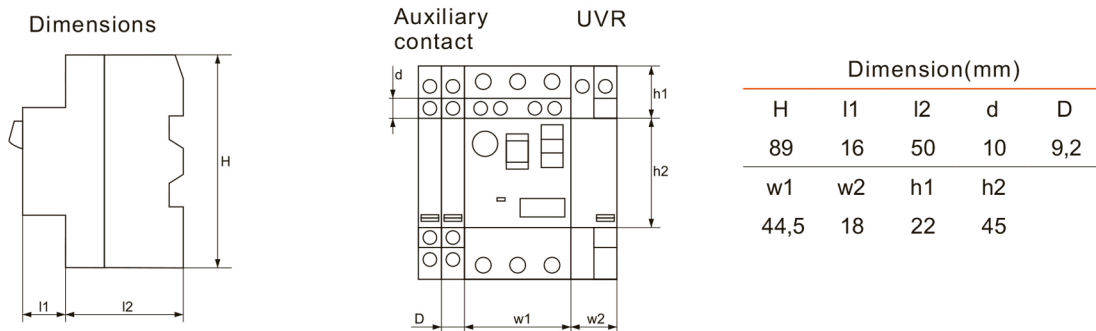


1. Technical specifications for SGV2-M series

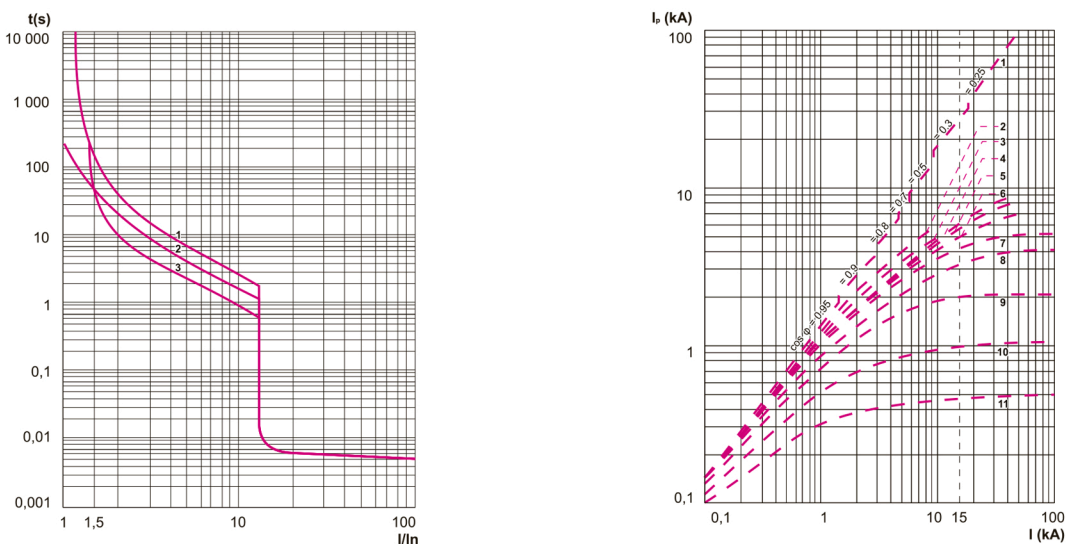


Type	Current setting range (A)	Instantaneous short-circuit release(A)	Thermal current I _{the} (A)	Standard rated power of three-phase(kW)				
				230/240V	400V	440V	500V	690V
SGV2-M01	0.1-0.16	1.5	0.16	-	-	-	-	-
SGV2-M02	0.16-0.25	2.4	0.25	-	0.06	0.06	-	-
SGV2-M03	0.25-0.4	5.0	0.4	0.06	0.09	0.09	-	-
SGV2-M04	0.4-0.63	8.0	0.63	-	0.12	0.18	-	0.37
SGV2-M05	0.63-1	13.0	1	0.09	0.25	0.25	0.37	0.55
SGV2-M06	1-1.6	22.5	1.6	0.18	0.37	0.37	0.37	0.75
SGV2-M07	1.6-2.5	33.5	2.5	0.37	0.75	0.75	1.10	1.50
SGV2-M08	2.5-4	51.0	4	0.55	1.10	1.50	1.50	2.20
SGV2-M10	4-6.3	78.0	6.3	1.10	2.20	2.20	3.00	4.00
SGV2-M14	6-10	138	9	1.50	3.00	4.00	4.00	5.50
SGV2-M16	9-14	170	13	2.20	5.50	5.50	7.50	9.00
SGV2-M20	13-18	223	17	4.00	7.50	7.50	9.00	15.00
SGV2-M21	17-23	327	21	5.50	9.00	11.00	11.00	18.50
SGV2-M22	20-25	327	23	5.50	11.00	11.00	15.00	22.00
SGV2-M32	24-32	416	24	7.50	15.00	15.00	18.50	22.00
SGV2-M40	25-40	480	32	11.00	18.50	22.00	25.00	33.00
SGV2-M63	40-63	550	50	15.00	30.00	33.00	40.00	55.00
SGV2-M80	56-80	665.5	64	22.00	40.00	45.00	55.00	63.00





2. Overall and mounting dimensions(SGV2-M Series)



3. Curve characteristics



Auxiliary Devices of Motor Protection Circuit Breaker

Voltage-release		Type	Rated operational voltage $U_e(V)$	Voltage range of operation	Rated insulation voltage $U_i(V)$	Frequency (Hz)
	SGV2-AU225	110-127	35%-70% U_e	690	50/60	
	SGV2-AU385	220-240	35%-70% U_e	690	50/60	
Auxiliary contact		Type	Mounting Type	Auxiliary Contacts		Conventional thermal current $I_{th}(A)$
	SGV2-AE11	Top	1	1	2.5	
	SGV2-AE20	Top	2	0	2.5	
Auxiliary contact		Type	Mounting type	Auxiliary contacts		Conventional thermal current $I_{th}(A)$
	SGV2- AN11	Side	1	1	6	
	SGV2- AN20	Side	2	0	6	
Enclosure		Type	Protection of degree	Material		Suitable SGV2-M
	SGV4-MC	IP 65	Plastic box	Screen	silicon	Up to 32A
			wear resistance of UV rays and non-flammable			