

FGV2-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)	8	
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($^{\circ}$ C)	- 5 to +40, max. 95% humidity	
Storage temperature($^{\circ}$ C)	-40~+70	
Maximum operating altitude(meters)	\leq 2000	

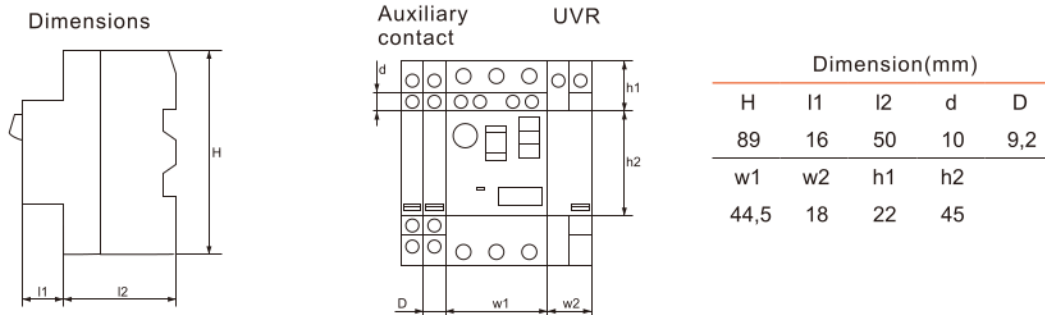


1. Technical specifications for FGV2-M series

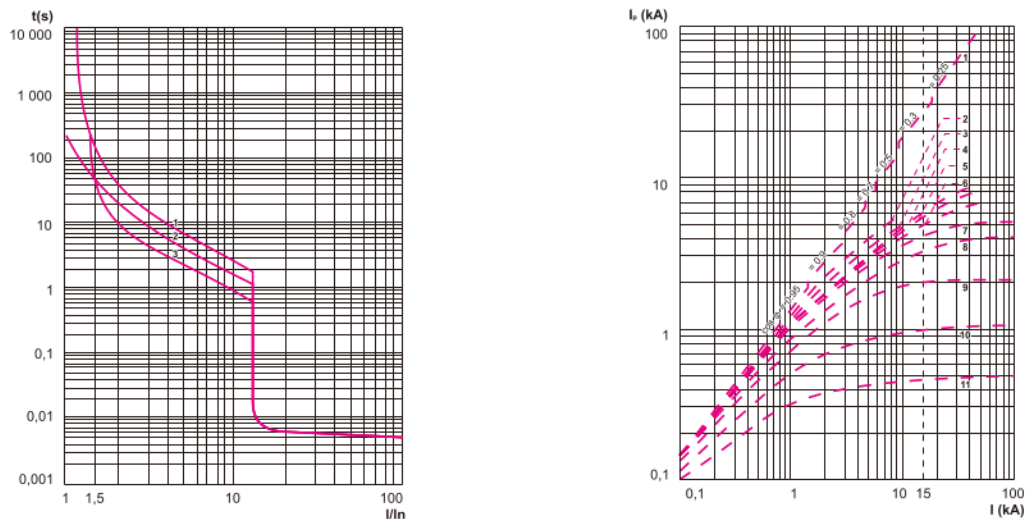
Type	Current setting range (A)	Instantaneous short-circuit release(A)	Thermal current I _{the} (A)	Standard rated power of three-phase(kW)			
				230/240V	400V	415V	440V
FGV2-M01	0.1-0.16	1.5	0.16	-	-	-	-
FGV2-M02	0.16-0.25	2.4	0.25	-	-	-	-
FGV2-M03	0.25-0.4	5.0	0.4	-	-	-	-
FGV2-M04	0.4-0.63	8.0	0.63	-	-	-	-
FGV2-M05	0.63-1	13.0	1	-	-	-	0.37
FGV2-M06	1-1.6	22.5	1.6	-	0.37	-	0.55
FGV2-M07	1.6-2.5	33.5	2.5	0.37	0.75	0.75	1.10
FGV2-M08	2.5-4	51.0	4	0.75	1.50	1.50	1.50
FGV2-M10	4-6.3	78.0	6.3	1.10	2.20	2.20	3.00
FGV2-M14	6-10	138	9	2.20	4.00	4.00	4.00
FGV2-M16	9-14	170	13	3.00	5.50	5.50	7.50
FGV2-M20	13-18	223	17	4.00	7.50	9.00	9.00
FGV2-M21	17-23	327	21	5.50	11.00	11.00	11.00
FGV2-M22	20-25	327	23	5.50	11.00	11.00	11.00
FGV2-M32	24-32	416	24	7.50	15.00	15.00	15.50
FGV2-M40	25-40	480	32	1.00	18.50	22.00	22.00
FGV2-M63	40-63	550	50	15.00	30.00	33.00	33.00
FGV2-M80	56-80	665.5	64	22.00	40.00	45.00	45.00




2. Overall and mounting dimensions(FGV2-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)
	FGV2-MAU115	110-127	35%-70% U_e	690	50/60
	FGV2-MAU225	220-240	35%-70% U_e	690	50/60
	FGV2-MAU385	380-415	35%-70% U_e	690	50/60

Auxiliary contact 	Type	Mounting Type	Auxiliary Contacts		Conventional thermal current I_{th} (A)
	FGV2-AE11	Top	1	1	2.5
	FGV2-AE20	Top	2	0	2.5

Auxiliary contact 	Type	Mounting type	Auxiliary contacts		Conventional thermal current I_{th} (A)
	FGV2-MAN11	Side	1	1	6
	FGV2-MAN20	Side	2	0	6

Enclosure 	Type	Protection of degree	Material		Suits FGV2-M
			Plastic box	Screen	
FGV2-ME		IP 65	wear resistance of UV rays and non-flammable	silicon	Up to 32A