1.General

BGV2 series motor protection circuit breakers are mainly used for the overload and short circuit protection of the motor AC 50/60Hz, up to 660V, 0.1-80A, as a full voltage starter to start and stop the motor, under the AC3 load or for the overload and short circuit protection of the equipment.

2.Nomenclature

BGV 2 - □ □

- Setting range
- The operation means of switch
  M: Button style
  P: Rotary switch style
  RS,LS: Key-lifting switch style
- Design code
- Product model

Introduction

"BGV2 series motor protection circuit breaker adopts modular design, beautiful shape, small volume, open phase protection, with thermal relay built-in, functional and generality. "

BGV2-M/ME conforms to IEC60947.2, IEC60947-4.1 and EN60947.1 standard. Switch and a contactor can be composed of a motor starter. The enclosure of the BGV2 series with IP65 protection level. This series has three models: (BGV2-M, ME, PM)controlled by a button motor with a thermal magnetic circuit breaker; (BGV2-RS) controlled by switch motor with thermal magnetic circuit breaker; (BGV2-LS)controlled by changeover switch motor with thermal magnetic circuit breaker (without thermal delay protection).

3.Specifications

Type	Standard power ratings of 3-phase motors 50/60Hz in category AC-3						Rated current	Setting range	The rated current commuting value in instant field
	230/240V kW	400V kW	415V kW	440V kW	500V kW	690V kW	InA	A	InA
BGV2-M01	—	—	—	—	—	—	0.16	0.1-0.16	1.5
BGV2-M02	—	—	—	—	—	—	0.25	0.16-0.25	2.4
BGV2-M03	—	—	—	—	—	—	0.4	0.25-0.40	5
BGV2-M04	—	—	—	—	—	0.37	0.63	0.40-0.63	8
BGV2-M05	—	—	—	0.37	0.37	0.55	1	0.63-1	13
BGV2-M06	—	0.37	—	0.55	0.75	1.1	1.6	1-1.6	22.5
BGV2-M07	0.37	0.75	0.75	1.1	1.1	1.5	2.5	1.6-2.5	33.5
BGV2-M08	0.75	1.5	1.5	1.5	2.2	3	4	2.5-4	51
BGV2-M10	1.1	2.2	2.2	3	3.7	4	6.3	4-6.3	78
BGV2-M14	2.2	4	4	4	5.5	7.5	10	6-10	138
BGV2-M16	3	5.5	5.5	7.5	7.5	9	14	9-14	170
BGV2-M18	4	7.5	7.5	7.5	10	11	16	10-16	223
BGV2-M20	4	7.5	9	9	9	11	18	13-18	223
BGV2-M21	5.5	11	11	11	11	15	23	17-23	327
BGV2-M22	5.5	11	11	11	15	18.5	25	20-25	327
BGV2-M32	7.5	15	15	15	18.5	23	32	24-32	416
BGV2-RS01	—	—	—	—	—	—	0.16	0.1-0.16	1.5
BGV2-RS02	—	—	—	—	—	—	0.25	0.16-0.25	2.4
BGV2-RS03	—	—	—	—	—	—	0.4	0.25-0.40	5
BGV2-RS04	—	—	—	—	—	0.37	0.63	0.40-0.63	8
BGV2-RS05	—	—	—	0.37	0.37	0.55	1	0.63-1	13
BGV2-RS06	—	0.37	—	0.55	0.75	1.1	1.6	1-1.6	22.5
BGV2-RS07	0.37	0.75	0.75	1.1	1.1	1.5	2.5	1.6-2.5	33.5
BGV2-RS08	0.75	1.5	1.5	1.5	2.2	3	4	2.5-4	51
BGV2-RS10	1.1	2.2	2.2	3	3.7	4	6.3	4-6.3	78
BGV2-RS14	2.2	4	4	4	5.5	7.5	10	6-10	138
BGV2-RS16	3	5.5	5.5	7.5	7.5	9	14	9-14	170
BGV2-RS18	4	7.5	9	9	9	11	16	10-16	223
BGV2-RS20	4	7.5	9	9	9	11	18	13-18	223
BGV2-RS21	5.5	11	11	11	11	15	23	17-23	327
BGV2-RS22	5.5	11	11	11	15	18.5	25	20-25	327
BGV2-RS32	7.5	15	15	15	18.5	23	32	24-32	416
BGV2-LS03	—	—	—	—	—	—	0.4		5
BGV2-LS04	—	—	—	—	—	0.37	0.63		8
BGV2-LS05	—	—	—	0.37	0.37	0.55	1		13
BGV2-LS06	—	0.37	—	0.55	0.75	1.1	1.6		22.5
BGV2-LS07	0.37	0.75	0.75	1.1	1.1	1.5	2.5		33.5
BGV2-LS08	0.75	1.5	1.5	1.5	2.2	3	4		51
BGV2-LS10	1.1	2.2	2.2	3	3.7	4	6.3		78
BGV2-LS14	2.2	4	4	4	5.5	7.5	10		138
BGV2-LS16	3	5.5	5.5	7.5	7.5	9	14		170
BGV2-LS18	4	7.5	9	9	9	11	16		223
BGV2-LS20	4	7.5	9	9	9	11	18		223
BGV2-LS21	5.5	11	11	11	11	15	23		327
BGV2-LS22	5.5	11	11	11	15	18.5	25		327

Additional Contact

Auxiliary Name	Code	Contact Type
Instantaneous auxiliary contacts	AE1	1NO/1NC
	AE11	1NO+1NC
	AE20	2NO
	AN11	1NO+1NC
	AN20	2NO

Electric Tripping

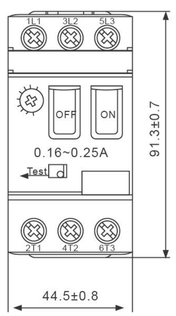
Auxiliary Name	Code	Voltage(V)
Under voltage release	AU115	110-127V 50Hz
	AU225	220-240V 50Hz
	AU385	385-415V 50Hz

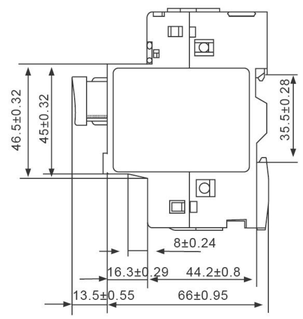
4.Dimensions

BGV2-2-AU

BGV2-2-AS

BGV2-2-AN11





5.Order Note

Following items should be marked when ordering	Ordering sample
Product name and model	BGV2-ME 16A 10-16A.
Frequency, Rated current	
Setting current range	
Other special data required	