

Frame size (AF) (Inm)		1000				1250				1600				
Model		BMA 1000-HED	BMA 1000-RED	BMA 1250-HED	BMA 1250-RED	BMA 1600-HED	BMA 1600-RED	BMA 1600-HED	BMA 1600-RED	BMA 1600-HED	BMA 1600-RED	BMA 1600-HED	BMA 1600-RED	
Appearance														
Rated current In (A) at ambient temp. 40°C		1000A				1250A				1600A				
Number of poles (P)		3	4	3	4	3	4	3	4	3	4	3	4	
Rated insulation voltage Ui (V)		AC 1000												
Rated operationa voltage Ue(V AC)		690												
Uimp(kV)		8												
Dimensions	 (mm)	a	210	280	210	280	210	280	210	280	210	280	210	280
		b	327				327				327			
		c	141				141				141			
		ca	205				205				205			
		bb	200				200				200			
		aa	199	339	199	339	199	339	199	339	199	339	199	339
		Weight (kg)	13.3	17.2	13.3	17.2	13.3	17.2	13.3	17.2	13.3	17.2	13.3	17.2
Rated breaking capacity (KA)	IEC 60947-2 EN 60947-2 Icu AC	690V	35	45	35	45	35	45	35	45	35	45	35	45
		415V	50	70	50	70	50	70	50	70	50	70	50	70
		380V	50	70	50	70	50	70	50	70	50	70	50	70
		220V(240V)	—	—	—	—	—	—	—	—	—	—	—	—
Accessory		AL/AX/SHT/ Rotary handle				AL/AX/SHT/ Rotary handle				AL/AX/SHT/ Rotary handle				

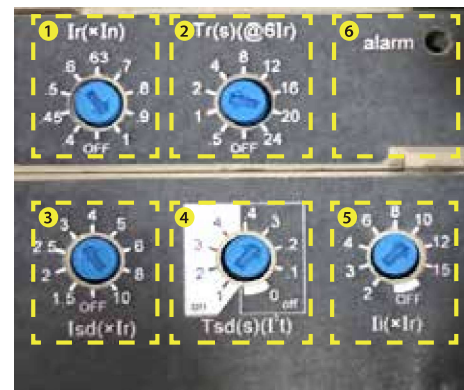
Condition:

1. Operation Temp.: -25°C ~ +70 °C
2. Storage Temp.: -40 °C ~ 85 °C
3. Altitude: ≤2000m
4. Pollution class: 3
5. Category: B
6. Relative humidity: ≤ 90%

Neutral Protection:



4P4D: 100% In 3D+N/2: 50% In 4P3D: No protection



1. Overload Setting Knob
(Ir=0.4/0.45/0.5/0.6/0.63/0.7/0.8/0.9/1/OFF)
2. Overload Tripping Time Setting Knob
(Tr=0.5/1/2/4/8/12/16/20/24/OFF)
3. (Isd=1.5/2/2.5/3/4/5/6/8/10/OFF)
4. (I2t on: Tsd=0.1/0.2/0.3/0.4; I2t off: Tsd=0/0.1/0.2/0.3/0.4)
5. Instantaneous Setting Knob
(Ii=2/3/4/6/8/10/12/15/OFF)
6. Alarm indicator: Overload (red light)

Protection

Long-time													
Current setting(A)		Ir=Inx	0.4	0.45	0.5	0.6	0.63	0.7	0.8	0.9	1	OFF	
Time Delay (s)		Tr (s)	0.5	1	2	4	8	12	16	20	24	OFF	
Accuracy: ±20%		1.5×Ir	8	16	32	64	128	192	256	320	384		
		6×Ir	0.5	1	2	4	8	12	16	20	24		
		7.2×Ir	0.35	0.7	1.39	2.78	5.56	8.3	11.1	13.9	16.7		
Short-time													
Current setting(A)		Accuracy: ±10%	Isd=Irx	1.5	2	2.5	3	4	5	6	8	10	OFF
Time Delay Tsd(s)			I²t off	0	0.1	0.2	0.3	0.4					
			I²t on		0.1	0.2	0.3	0.4					
Time Delay (ms) at 10×Ir		Tsd(Max. resettable time)	20	80	140	230	350						
(I2t off or on)		Tsd(Max. trip time)	80	140	200	320	500						
Instantaneous													
Current setting(A)		Accuracy: ±10%	Ii=Irx	2	3	4	6	8	10	12	15	OFF	
Tripping time								60	120				