



MOULDED CASE CIRCUIT BREAKERS

Salient Features :

- ▲ Housing made of excellent quality Heat Resistance Thermoset Insulation Material.
- ▲ Quick-Make, Quick-Break & Trip Free Mechanism.
- ▲ Clear indication of ON, OFF & Trip Position.
- ▲ With Push to Trip Facility.
- ▲ Unique Arc Chute design for rapid quenching of Arc under fault condition.
- ▲ Thermal Overload & Instantaneous Magnetic Release.
- ▲ Line & Load terminals are available.
- ▲ Conform to IS: 13947-Part II / IEC 60947-2.
- ▲ Widest & most compact range available in different sizes (1P, 2P, 3P, 4P).
- ▲ Complete range of accessories which includes Under Voltage Release, Shunt Trip Release, Auxiliary Contacts, Alarm Contacts, Terminal Shrouds & HOM.
- ▲ Customize Overload Setting.
- ▲ Type Tested at CPRI.

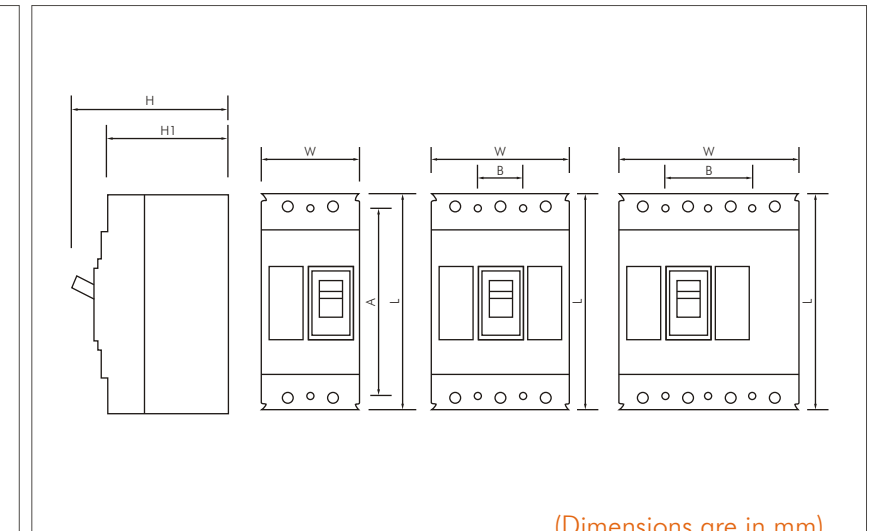
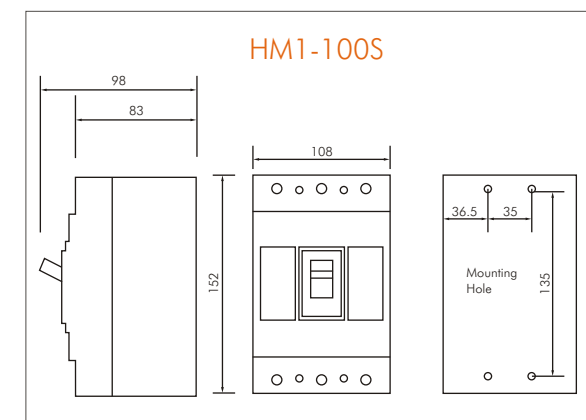
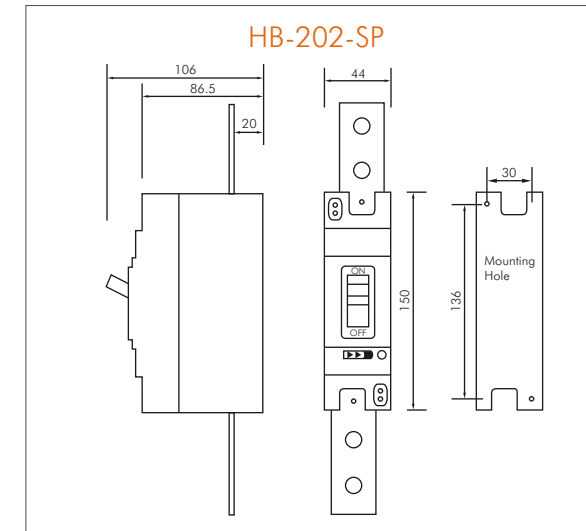
Technical Information

FRAME	HB-202-SP	HM1-100S	HM2-100L/M/H	HM2-250L/M/H	HM2-400M/H	HM2-630M/H
Nominal Rating (Amp.)	200	100	100	250	400	630
Rated Current (O/L Setting) (Amp.)	10 to 200	10 to 100	10 to 100	100 to 250	250 to 400	500 to 630
Magnetic Setting (Amp.)	2000	1000	1000	2500	4000	6300
Rated Operational Voltage (Volt) AC	240	415	415	415	415	415
Rated Insulation Voltage (Volt) AC	690	690	690	690	690	690
Rated Frequency (Hz)	50	50	50	50	50	50
Utilization Category	A	A	A	A	A	A
No. of Pole	1P	3P	2P, 3P, 4P	2P, 3P, 4P	3P, 4P	3P, 4P
Rated Ultimate Breaking Capacity (Icu)	10kA	10kA	25/50kA	25/35/50kA	35/50kA	35/50kA
PF	0.4	0.4	0.25	0.25	0.25	0.25
Rated Service Short Circuit Breaking Capacity (Ics)	10kA	5/10kA	50% of Icu	50% of Icu	50% of Icu	50% of Icu
PF	0.4	0.4	0.3 / 0.25	0.3 / 0.25	0.3 / 0.25	0.3 / 0.25
Installation Accessories Terminal Phase Barriers		+	+	+	+	+

+ Available

Note : kA Designation - L=25kA, M=35kA, H=50kA
Also available 800A breakers on request.

G.A. Drawing of HM Series MCCBs



(Dimensions are in mm)

FRAME	HM2-100L			HM2-250L			HM2-400L		HM2-630L	
Pole	2P	3P	4P	2P	3P	4P	3P	4P	3P	4P
Length (L)	150			165			257		270	
Width (W)	65	92	122	75	107	142	140	184	182	240
Height (H)	87			108			146		160	
Height (H1)	68			87			100		108	
Mounting Hole Dimensions	A			A			A		A	
	129			127			216		200	
	B			B			B		B	
	30			35			44		58	

List of Accessories Offered

	HM2-100	HM2-250	HM2-400	HM2-630	HM1-100S
Shunt Trip (SHT)	A	A	A	A	NA
Under Voltage Trip (UVT)	A	A	A	A	NA
Rotary Handle Mechanism	A	A	A	A	NA
Motor Operating Mechanism	A	A	A	A	NA
Auxiliary Switch (AUX)	A	A	A	A	A
Al-Aux	A	A	A	A	NA
Alarm Contact (AL)	A	A	A	A	NA

A Available

NA Not Available