

HS1 Moulded Case Circuit Breaker



Application

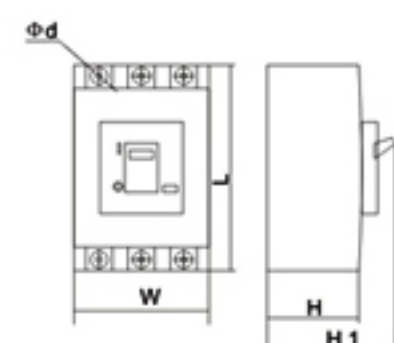
Molded Case Circuit Breakers HS1 series is a new designed MCCB developed and manufactured adopting international advanced technology. HS1 MCCB rated insulating voltage AC 800V is suitable for using in the circuit of AC 50Hz/60Hz, rated Voltage up to 690V, rated working current up to 630A to distribute electric power and to protect the line and the equipment from being damaged due to overload, short circuit and under-voltage. It can also be used for frequently switching and starting of motor and for motor overload, short circuit and under-voltage protections. HS1 MCCB comply with IEC60947-1, -2, -4 & -5.

Functions

- switching on/off heavy loaded electrical circuits
- breaking of electrical circuit and control of powerful consumers
- can be used as a main breaker in housing or industrial distributing installations
- endures high currents of short circuit in the protected circuit
- remarkable with high reliability of current characteristics
- control: manual

Technical Data

- *Rated operating voltage: 400V; 50/60Hz
- *Isolating voltage: 690V
- *Surge voltage wear resistance: 6000V
- *Joining terminal: flat(tunnel) screw terminal
- *Connecting:
 - rigid or flexible conductors
 - front conductors joining
 - possibility for mounting to lengthening terminal
- *Electrical wear resistance (number of cycles): 6000
- *Mechanical wear resistance (number of cycles): 10000
- *IP code: IP>20
- *Mounting:
 - joining with bolts
 - mounting position: vertical
- *Plastic material of UV rays and non-flammable
- *Test button
- *Ambient temperature: -20°C ~ 55°C



Type of the breaker	Overall dimensions (mm)			
	W	L	H	H1
HS1-63	76	142	70	77
HS1-100	91	155	61	73
HS1-225	106	165	80	90
HS1-400	148	256	95	110
HS1-500	180	270	103	115
HS1-630	180	270	103	115
HS1-800	210	275	95	115
HS1-1250	210	330(460)	137	200

Type	Rated current	Pole number	Rated insulation voltage (V)	Rated working voltage (V)	Arcing-over distance (mm)	Limiting short circuit breaking capacity Icu (KA)	Operating short circuit breaking capacity Ics (KA)	Operational performance	
								Energized	Unenergized
HS1-63L	6,10,16,20,25	2/3/4	800V	690V and below	0	25	18	2000	10000
HS1-63M	32,40,50,63				0	50	35		
HS1-100C	10,16,20,25				0	25	18		
HS1-100L					0(50)	35	22		
HS1-100M					0(50)	50	35		
HS1-100H	80,100				0(50)	85	50		
HS1-225C	100,125,140				50	25	18	2000	10000
HS1-225L					50	35	22		
HS1-225M					50	50	35		
HS1-225H					50	85	50		
HS1-400C	225,250				50	35	25	1000	5000
HS1-400L	315,350				50	50	35		
HS1-400M	400				100	65	42		
HS1-400H	400				100	35	25		
HS1-630C	400				100	35	25	1000	5000
HS1-630L					100	50	35		
HS1-630M		100	65	42					
HS1-630H		100	100	65					
HS1-800M	630,700	100	75	50	1000	2000			
HS1-800H	800	100	100	65					
HS1-1250H	800,1000,1250	120	100	65	1000	2000			