

SM8 Series Moulded Case Circuit Breaker

1. Application

SM8 series MCCB is one of new products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 690V and used for circuit of AC 50/60Hz, rated operating voltage AC 415V or below, rated operating current from 16A to 630A. It is designed for protection of electric circuit, motors, transformers and other equipments. The products conforms to IEC60947-2 standard.

2. Specification

Type	SM8-160X	SM8-160	SM8-250	SM8-400	SM8-630
Poles number	3	3	3	3	3
Rated current I_n (A)	20~160A	50~160A	100~250A	200~400A	315~400A
Rated operating voltage U_e (V) AC 50/60Hz	690	690	690	690	690
Rated insulation voltage U_i (V)	800	800	800	800	800
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	8	8
Utilisation category	A	A	A	A	A
Rated ultimate short-circuit breaking capacity I_{cu} (kA)	AC 220/240V	65	65	65	65
	AC 380/415V	40	40	40	40
	AC 690V	8	12	12	12
Rated short-circuit service breaking capacity I_{cs} (kA)	AC 220/240V	65	65	65	65
	AC 380/415V	40	40	40	40
	AC 690V	4	6	6	6

Thermomagnetic

T(thermal)

M(magnetic)



SM8-160



SM8-250

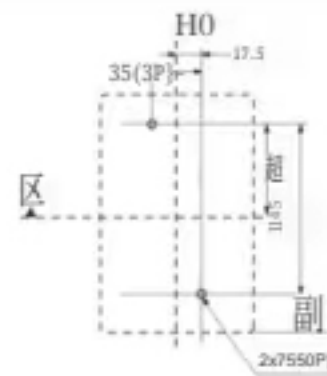
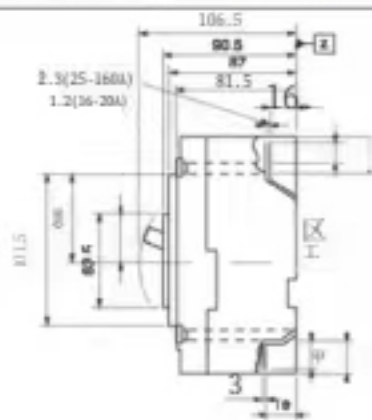


SM8-400

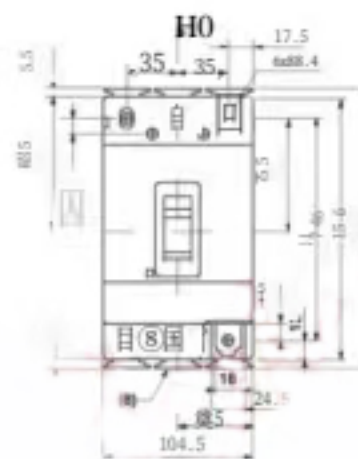
SM8-160X			SM8-160			SM8-250		
I_n	T adjustable (0.8~1.0 I_n)	M fixed	I_n	T adjustable (0.8~1.0 I_n)	M adjustable	I_n	T adjustable (0.8~1.0 I_n)	M adjustable
20A	16~20A	300A	50A	40~50A	300~600A	200A	160~200A	1000~2000A
32A	25~32A	300A	63A	50~63A	300~600A	250A	200~250A	1200~2500A
40A	32~40A	600A	80A	63~80A	400~800A			
50A	40~50A	600A	100A	80~100A	500~1000A			
63A	50~63A	600A	125A	100~125A	625~1250A			
80A	63~80A	1000A	160A	125~160A	800~1600A			
100A	80~100A	1000A						
125A	100~125A	1000A						
160A	125~160A	1500A						

SM8-400			SM8-630		
I_n	T adjustable(0.8~1.0 I_n)	M adjustable	I_n	T adjustable(0.8~1.0 I_n)	M adjustable
200A	160~200A	1000~2000A	315A	250~315A	1575~3150A
250A	200~250A	1200~2500A	400A	315~400A	2000~4000A
315A	250~315A	1575~3150A	500A	400~500A	2500~5000A
400A	315~400A	2000~4000A	630A	500~630A	3250~6500A

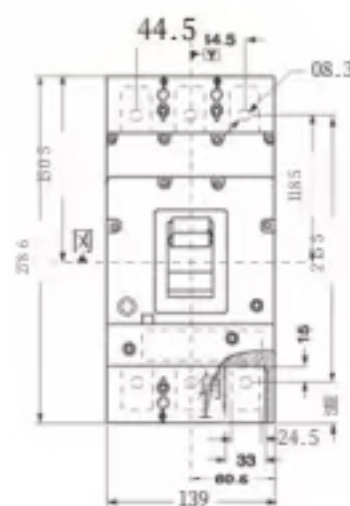
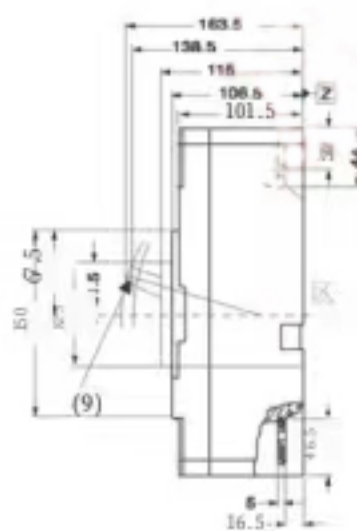
3.Outline and Installation Dimension



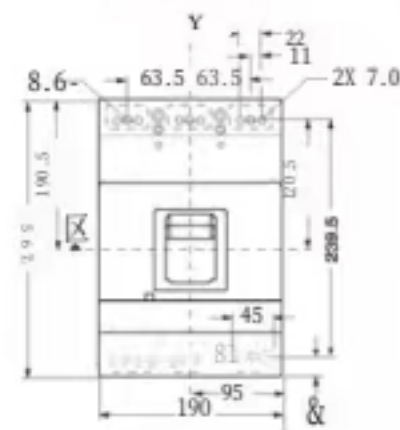
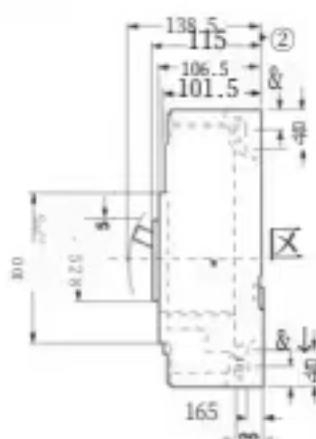
SM8-160X



SM8-250



SM8-400



SM8-630