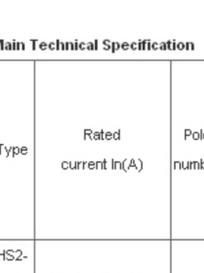


HS2 Moulded Case Circuit Breaker



Application

HS2 series moulded case circuit breaker is a new designed MCCB developed and manufacture adopting advanced technology.It has the advantages of compacting structure,small volume,and international high breaking capacity.The inner device is moulding installed,adopt the terminal protective cover to keep safe and the different colors of the basic board and covering board to increase the beauty.

HS2 MCCB is applicable circuit of AC 50Hz/60Hz,rated insulation voltage 660V,rated operating voltage up to 250V (DC).The rated operating current is 12.5A-1600A,for distribute energy of electricity and infrequent making and breaking circuit,and infrequent starting of squirrel cage motor(raged operating current up to 400A) at normal condition with the function of the protection against overload and short circuit and under voltage.

HS2 MCCB complies with standard of IEC 947-2

Trip Characteristic

Rated current of release (A)	Thermodynamic release(Ambient temp+40)		Operational current of magnetic release(A)
	1.05In(cold state)operative time (h)	1.30In(hot state)operative time(h)	
12.5 In 63	1	<1	10-50In
63 In 250	2	<2	10In 20%
250<In 1600	2	<2	5-10In 20%

Rated current of release (A)	Thermodynamic release(Ambient temp+40)				Action current of magnetic release(A)
	1.0In(cold state) non-operative time(h)	1.20In(hot state) operative time(h)	1.50In(hot state) non-operative time(h)	7.2In(hot state) operative time (h)	
12.5 In 63	2	<2	2min(In 200A)	2S<Tp 10S(In 200A)	12In 20%
			4min(200A<In 400A)	4S<Tp10S(200A<In 200A)	

Main Technical Specification

Type	Rated current In(A)	Pole number	Rated insulation voltage(V)	Rated working voltage Ue(V)	Arcingover distance(mm)	Rated limit short circuit breaking capability(KA)			Rated working short circuit breaking capability(KA)		Operating performance (times)		Overall dimension (mm)		
						AC380V (400)	AC660V (690)	DC250	AC380V (400)	AC660V (690)	load	unload	L	W	H
HS2-160s	16,20,32,40,50,	3/4	690V	380V	660V	35	8	20	25	10	4000	6000	120	90/120	70
HS2-160H	63,80,100,125,160					50	10	40	35	15					
HS2-250S	100,125,160, 180,200,225,250					35	10	40	35	15					
HS2-250M						50	16	40	40	20					
HS2-250H						65	18	40	50	25					
HS2-400S	200,225,250, 315,350,400					35	16	40	50	25					
HS2-400M						50	20	40	55	30					
HS2-400H						65	25	40	65	35					
HS2-630S	400,500,630					50	20	40	65	35					
HS2-630M						65	25	40	75	45					
HS2-630H						80	30	40	75	45					
HS2-800S	500,630,700,800					50	20	40	80	50					
HS2-800M		65	25	40	85	60									
HS2-800H		80	30	40	85	60									
HS2-1250H	800,1000,1250	3				80	30	85	60	500	2500	406	210	138.5	
HS2-1600H	1000,1250,1600														

Notice : The technical data of normal one is the same as the intelligent one .

Intelligent STR Main Technical Index

Function L-step adjustment for protection against overload.Adjustment of the operating current I=0.4+1xIn with discreet coefficients as the value can be 0.4;0.5;0.6;0.7;0.8;0.9; and 1.

Time delay adjustment t1 of the protection against overload-step adjustment for values A-3s;b-6s;c-12s;d-18s when current is I=6I1.The diagram of the current curves is presented on fig.1

Adjustment of the transitory protection current against short circuit I3=X × I1 where X can take discreet value off;1,5;2;4;6;8;10.



Fig.1

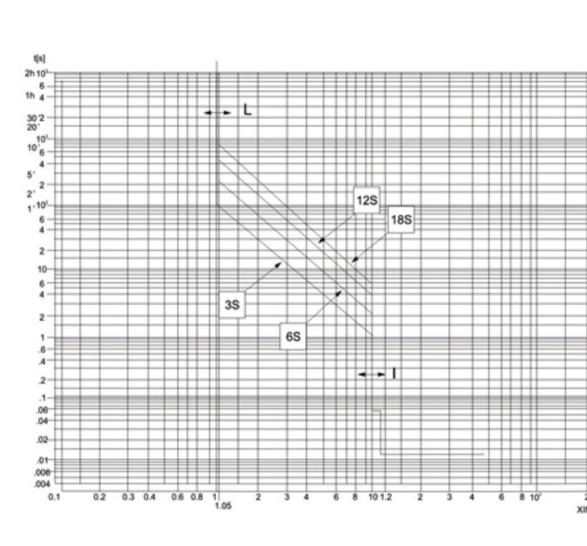
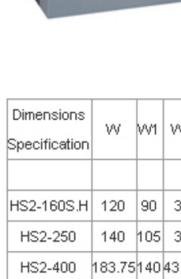
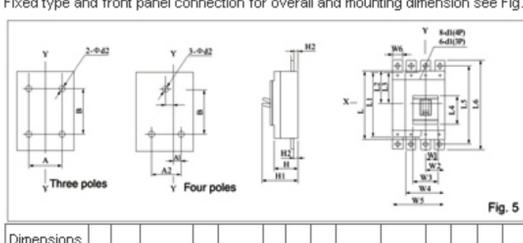


Fig.2



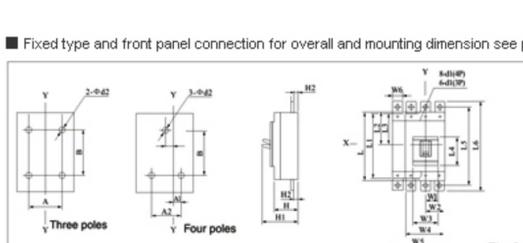
Overall And Mounting Dimensions

Fixed type and front panel connection for overall and mounting dimension see Fig.5 and Table.6



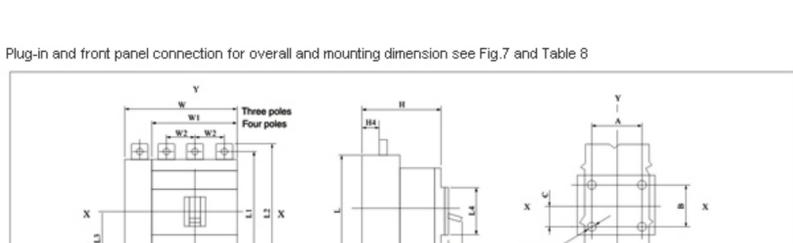
Dimensions Specification	W1	W2	W3	W4	W5	W6	L	L1	L2	L3	L4	L5	L6	e	H1	H2	A	A1	∠O	B	d1	d2	
HS2-160S.H	30	45	90/120	90	120	14	125	120	74.5	72	45	150	166	70	93	27.5	30	15	60	100	M8	4.5	
HS2-250S.M.H	35	52.5	105/140	105	140	20	175	170	89.75	87.25	105	210	235	101.5	135	25	35	17.5	70	139	φ8	5.5	
HS2-400S.M.H	43	70	105	140	183.75	25	259	254	127.75	125.25	105	285	330	101.5	135	25	43.75	22	87.5	214	φ10	5.5	
HS2-630S.M.H	75	105	140	210	280	40	273	268	127.75	125.25	105	329	365	101.5	167	54	5	35	140	237	φ10	5.5	
HS2-800S.M.H	70	105	140	210	280	40	273	268	127.75	125.25	105	329	365	101.5	167	54	5	35	140	237	φ10	5.5	
HS2-1250H	70			210			406								138.5				70		378	φ12	5.5
HS2-1600H				210			406								138.5				70		378	φ12	5.5

Fixed type and front panel connection for overall and mounting dimension see picture 6 and table 7



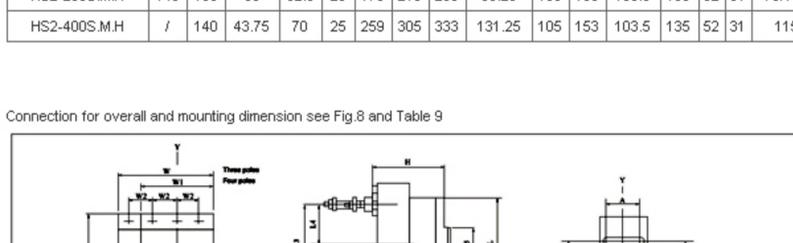
Dimensions Specification	W	W1	W2	W3	W4	L	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	B	B1	B2	B3	A	A1	A2	d1	d2	
HS2-160S.H	120	90	30	45	90/120	125	120	74.5	72	45	63	102	93	75	70	42	75	30	30	45	15	102	100	63	18	4.5
HS2-250	140	105	35	52.5	105/140	175	170	89.75	87.75	105	73.75	143	135	103.5	101.5	55	100	35	35	52.5	17.5	143	139	73.75	24	5.5
HS2-400	183.75	140	43.75	70	105	259	254	127.75	125.75	105	107.25	218	135	103.5	101.5	62	108	43.75	43.75	65.5	22	218	214	107.25	24	5.5
HS2-630	280	210	70	105	140	273	268	127.75	125.75	105	111.75	241	167.5	103.5	101.5	68	68	70	70	105	35	241	237	111.75	50	5.5

Plug-in and front panel connection for overall and mounting dimension see Fig.7 and Table 8



Dimensions specification	W	W1	W2	W3	W4	L	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	A	B	B1	B2	B3	d1	d2
HS2-160S.H	120	90	30	45	90/120	125	164	71	102	63	45	123	145	52	40	76	60/90	102	35	5.5	63	4.5	M8
HS2-250S.M.H	140	105	35	52.5	105/140	175	175	85.25	143	73.75	105	153	184.5	50	48	100	70/105	143	100	47.75	43.75	5	M12
HS2-400S.M.H	/	140	43.75	70	105	259	259	131.25	218	107.25	105	153	184.5	50	58	108	87.5	218	135	67.25	107.25	6	M16

Connection for overall and mounting dimension see Fig.8 and Table 9



Dimensions specification	W	W1	W2	W3	W4	L	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	A	B	B1	B2	B3	d1	d2
HS2-160S.H	120	90	30	45	90/120	125	164	71	102	63	45	123	145	52	40	76	60/90	102	35	5.5	63	4.5	M8
HS2-250S.M.H	140	105	35	52.5	105/140	175	175	85.25	143	73.75	105	153	184.5	50	48	100	70/105	143	100	47.75	43.75	5	M12
HS2-400S.M.H	/	140	43.75	70	105	259	259	131.25	218	107.25	105	153	184.5	50	58	108	87.5	218	135	67.25	107.25	6	M16