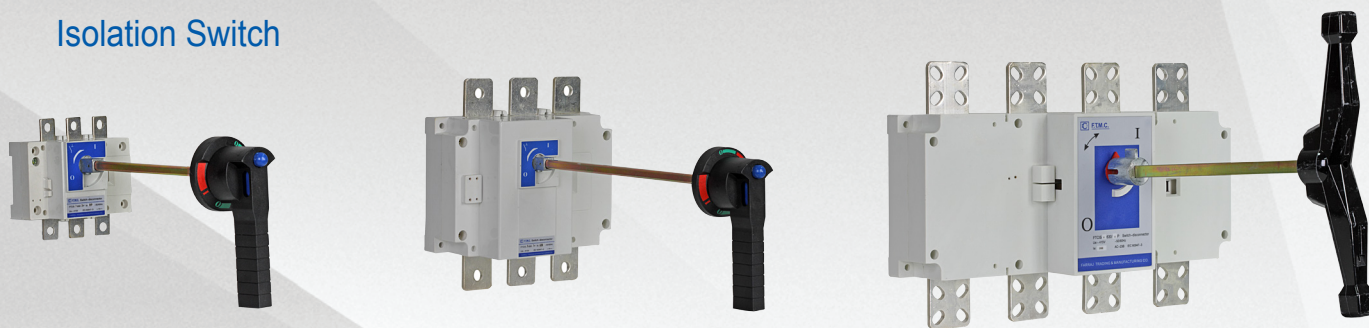


F.T.M.C. TYPE FTCIS

Isolation Switch



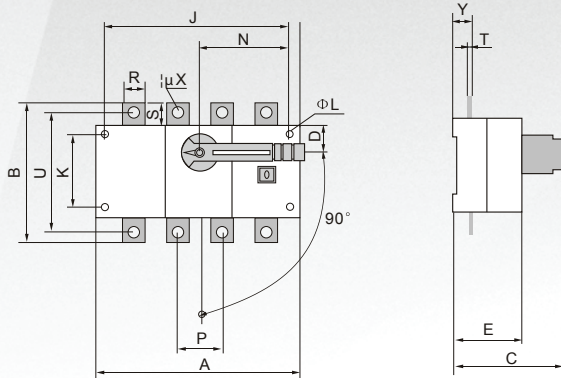
FTCIS-125~1600A Electrical properties and Mechanical Properties

Catalogue No. for 3 Pole		FTCIS3125 ^①	FTCIS3160	FTCIS3200	FTCIS3250	FTCIS3315	FTCIS3400	FTCIS3500	FTCIS3630	FTCIS31000 ^②	FTCIS31250	FTCIS31600
Ref. No. for 3 Pole		F103316	F103317	F103318	F103319	F103320	F103321	F103322	F103323	F103324	F103325	F103326
Catalogue No. for 4 Pole		FTCIS4125 ^①	FTCIS4160	FTCIS4200	FTCIS4250	FTCIS4315	FTCIS4400	FTCIS4500	FTCIS4630	FTCIS41000 ^②	FTCIS41250	FTCIS41600
Ref. No. for 4 Pole		F103333	F103334	F103347	F103348	F103349	F103350	F103351	F103352	F103353	F103354	F103355
Conventional heating current (I)		125A	160A	200A	250A	315A	400A	500A	630A	1000A	1250A	1600A
Rated insulation voltage (Ui V)		750	750	750	750	1000	1000	1000	1000	1000	1000	1000
Dielectric strength (V)		5000	5000	5000	5000	8000	8000	8000	8000	10000	10000	10000
Rated impaction withstand voltage Uimp KV (Installation sort IV)		8	8	8	8	12	12	12	12	12	12	12
Rated working current Ie(A)	AC21B	125	160	200	250	315	400	500	630	1000	1250	1600
	400V AC22B	125	160	200	250	315	400	500	630	1000	1250	1600
	AC23B	125	160	200	250	315	340	425	500	800	1000	1250
	750V DC21	125	160	160	200	315	400	400	500	1000	1000	1600
	DC22	125	160	160	160	315	315	315	315	800	800	800
	DC23	80	80	100	125	125	125	125	125	400	400	500
	AC21B	125	160	200	250	315	400	500	630			
	220V AC22B	125	160	200	250	315	400	400	500			
	AC23B	125	125	160	200							
	DC21	100	125	160	200	315	400	400	500			
	440V DC22	100	125	160	200	315	400	400	500			
	DC23	100	125	160	200							
Motor power P(KW)	400V	63	80	100	132	160	220	280	315	560	560	560
	750V	75	75	90	110	185	185	185	185	475	475	475
Rated short-time withstand current Icw(KA Rms)0.1S/1.0S		20/10	20/10	30/12	30/12	45/20	45/20	50/25	50/25	90/50	90/50	90/50
Rated making capacity Icn (A Rms) AC23B 400V		1250	1250	2000	2000	3150	4000	4000	4000	10000	10000	10000
Rated breaking capacity Icm (A Rms) AC23B 400V		1000	1000	1600	1600	2500	3200	3200	3200	8000	8000	8000
Rated short-circuit making capacity Icm (KA peak value)		12	12	17	17	30	30	40	40	70	70	70
Mechanical life (rotation operation time)		10000	10000	10000	10000	5500	5500	5500	5500	4000	4000	3000
Rated voltage COSφ=0.95 AC21B		1500	1500	1500	1500	750	750	750	750	600	600	450
Ue=750V COSφ=0.65 AC22B		1000	1000	1000	1000	500	500	500	500	400	400	300
Rated current Ie COSφ=0.35 AC23B		500	500	500	500	250	250	250	250	200	200	150
Operation moment (Nm)		4	6.5	10	10	14.5	14.5	14.5	14.5	27	27	27
Weight (Kg)	3 poles	1	1	2	2	3.5	3.5	4	4	10.5	10.5	16
	4 poles	1.5	1.5	2.5	2.5	4	4	4.5	4.5	13	13	20

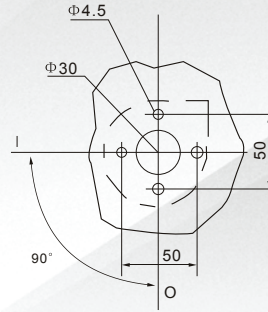
① Frame Size Rating 125A available in range 32A, 40A, 50A, 63A, 80A, 100A, 125A.

② Frame Size Rating 1000A available in range 800, 1000A.

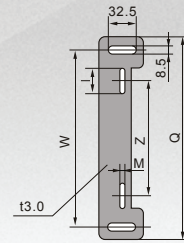
FTCIS125~630 Outline and installation dimensions



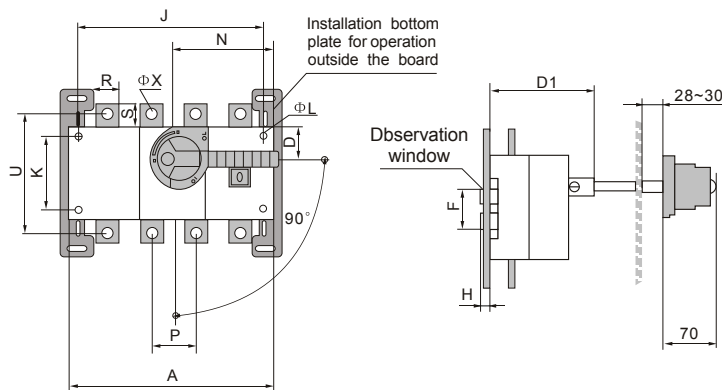
Direct operation of FTCIS125~630



Installation size of handle seat outside board



Installation bottom plate for operation outside the board

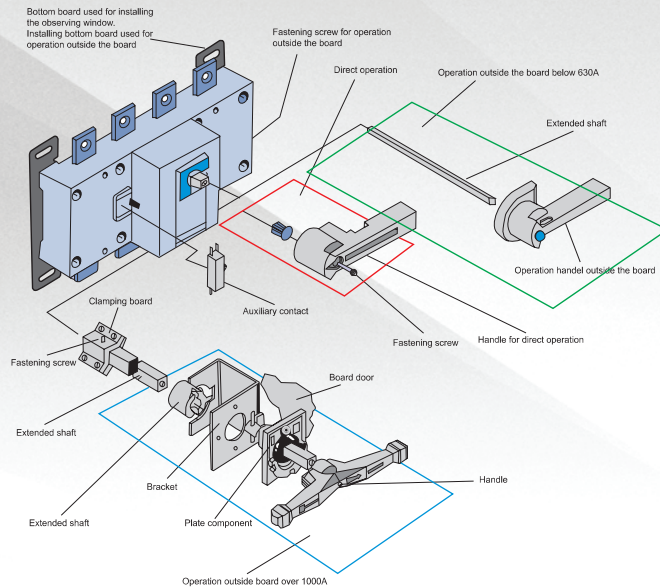


Operation outside FTCIS125~630 board

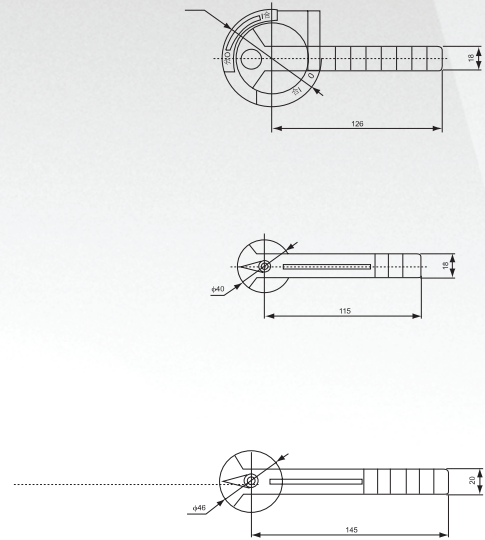
Specification	Dimension of Bottom Board				
	I	M	Z	W	Q
FTCIS125	55	5.5	85	190	218
FTCIS160	55	5.5	85	190	218
FTCIS200	55	5.5	85	190	218
FTCIS250	55	5.5	85	190	218
FTCIS315	60	6.5	130	240	270
FTCIS400	60	6.5	130	240	270
FTCIS500	60	6.5	130	240	270
FTCIS630	60	6.5	130	240	270

Specification	External Dimension and Installation Dimension																		
	A	B	C	D	D1	E	ΦL	J	K	N	P	R	S	T	U	ΦX	Y	F	H
FTCIS125/3	140	135	120	27	93	73	5.5	120	65	85	36	20	25	3	114	10	24	49	10
FTCIS125/4	170	135	120	27	93	73	5.5	150	65	85	36	20	25	3	114	10	24	49	10
FTCIS160/3	140	135	120	27	93	73	5.5	120	65	85	36	20	25	3	114	10	24	49	10
FTCIS160/4	170	135	120	27	93	73	5.5	150	65	85	36	20	25	3	114	10	24	49	10
FTCIS200/3	180	165	140	35	103	86	7	160	90	115	50	25	30	3.5	134	11	27	79	15
FTCIS200/4	230	165	140	35	103	86	7	210	90	115	50	25	30	3.5	134	11	27	79	15
FTCIS250/3	180	165	140	35	103	86	7	160	90	115	50	25	30	3.5	134	11	27	79	15
FTCIS250/4	230	165	140	35	103	86	7	210	90	115	50	25	30	3.5	134	11	27	79	15
FTCIS315/3	230	234	140	50	138	116	7	210	140	145	65	32	38	5	205	11	37	94	20
FTCIS315/4	290	234	140	50	138	116	7	270	140	145	65	32	38	5	205	11	37	94	20
FTCIS400/3	230	234	185	50	138	116	7	210	140	145	65	32	38	5	205	11	37	94	20
FTCIS400/4	290	234	185	50	138	116	7	270	140	145	65	32	38	5	205	11	37	94	20
FTCIS500/3	230	250	185	50	138	116	7	210	140	145	65	40	45	6	215	12.5	38	94	20
FTCIS500/4	290	250	185	50	138	116	7	270	140	145	65	40	45	6	215	12.5	38	94	20
FTCIS630/3	230	250	185	50	138	116	7	210	140	145	65	40	45	6	215	12.5	38	94	20
FTCIS630/4	290	250	185	50	138	116	7	270	140	145	65	40	45	6	215	12.5	38	94	20

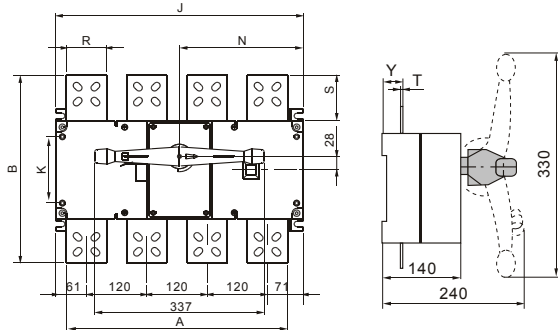
FTCIS1000~1600 Outline and installation dimensions



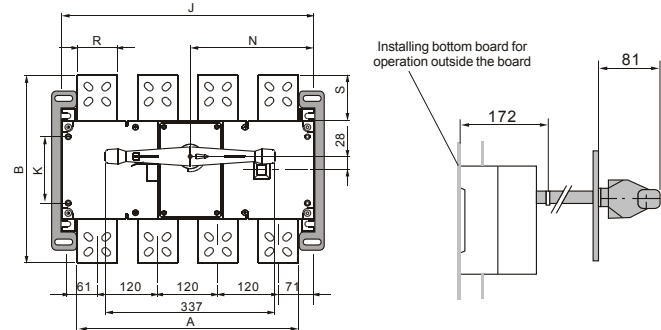
Note: standard length of extended shaft is 310mm



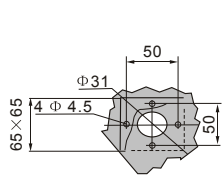
Note: Nominal thermal current of auxiliary contact Ith: 10A



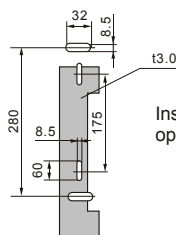
Direct operation of FTCIS1000~1600A



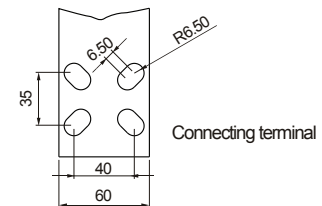
Operation outside FTCIS1000~1600A



Installation size of handle seat outside board



Installation bottom board for operation outside the board



Connecting terminal

Specification	External Dimension and Installation Dimension								
	A	B	J	K	N	R	S	T	Y
FTCIS1000/3	378	328	354	135	173	60	64	8	48
FTCIS1000/4	492	328	440	135	246	60	64	8	48
FTCIS1250/3	378	336	354	135	173	80	68	8	48
FTCIS1250/4	492	336	440	135	246	80	68	8	48
FTCIS1600/3	378	336	354	135	173	80	68	10	49
FTCIS1600/4	492	336	440	135	246	80	68	10	49