



Ambidex

On-load Changeover Switch

Power Uninterrupted



On-load Changeover Switch (With and Without Fuses)

■ Salient Features:

- 4 pole compact design ranging from 63A-3150A for on-load changeover switch with and without fuse respectively.
- Available in both open execution and sheet steel enclosure.
- Conforming to IEC 60947-3
- Self-wiping contact mechanism for better cleaning of contact system resulting in better endurance.
- Suitable for isolation and prevents leakage current/ flash over between phases.
- Handle lock feature in off position with three padlocks.
- Same available for capacitor switching application.
- Door inter lock feature.
- Horizontal / Vertical mounting possible.
- Available in utilization category AC22A, AC23A and AC23B.
- Quick make and break mechanism.
- Bolt retainer installed on terminals for easy cable/bus bar termination.
- Less space required in panel boards due to compact construction.

■ Functions:

- Changeover switches are used to choose the supply from two incoming sources generally one is from utility and other from DG set.
- Changeover switches have position I, II and O to choose from. Position I is for circuit I, position II is for circuit II and position O is off, which means not connected to either of the circuits.

On-load Bypass Switches

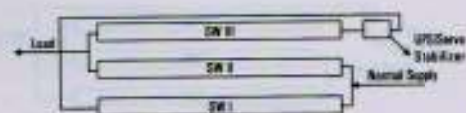
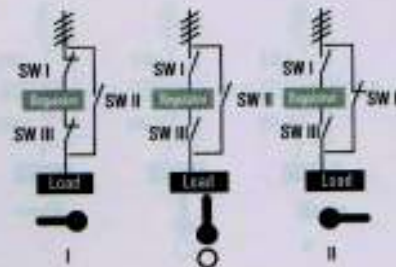


■ **Salient Features:**

- 4 pole compact design ranging from 125-630A.
- Available in both open execution and sheet steel enclosure.
- Conforming to IEC 60947-3.
- Self-wiping contact mechanism for better cleaning of contact system resulting in better endurance.
- Suitable for isolation and prevents leakage current/ flash over between phases.
- Handle lock feature in off position with three padlocks.
- Door inter lock feature.
- Available in utilization category AC22A, AC23A and AC23B.
- Quick make and break mechanism.

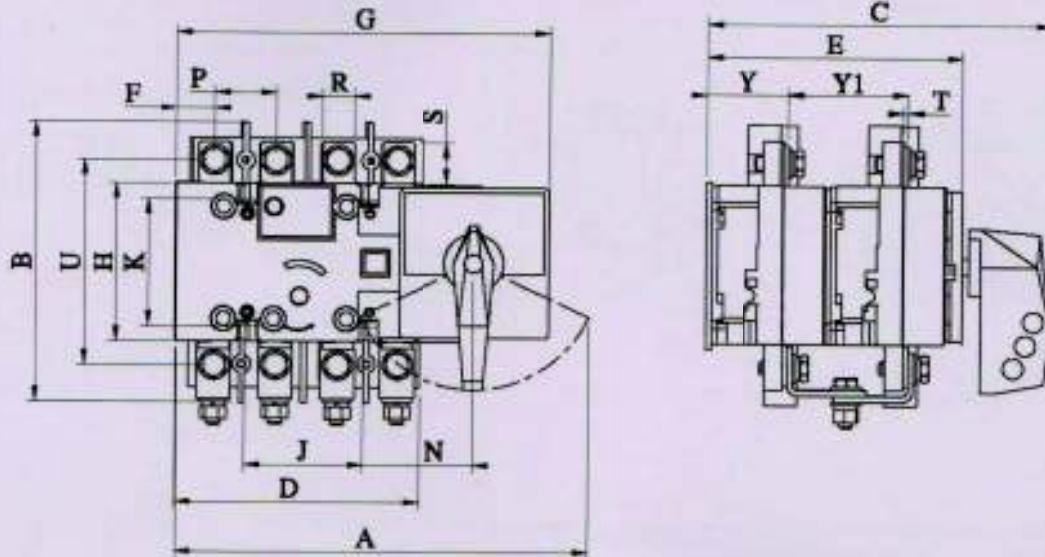
■ **Functions:**

- Bypass switches are generally used when main source of supply to the load is through UPS and utility supply is secondary supply to the load.
- On-Load By-Pass switch is operated manually with single handle comfortably. It provides three stable positions: Position I is for loads connected to stabilized power supply, position O is for open circuit and position II is for loads connected to normal supply.



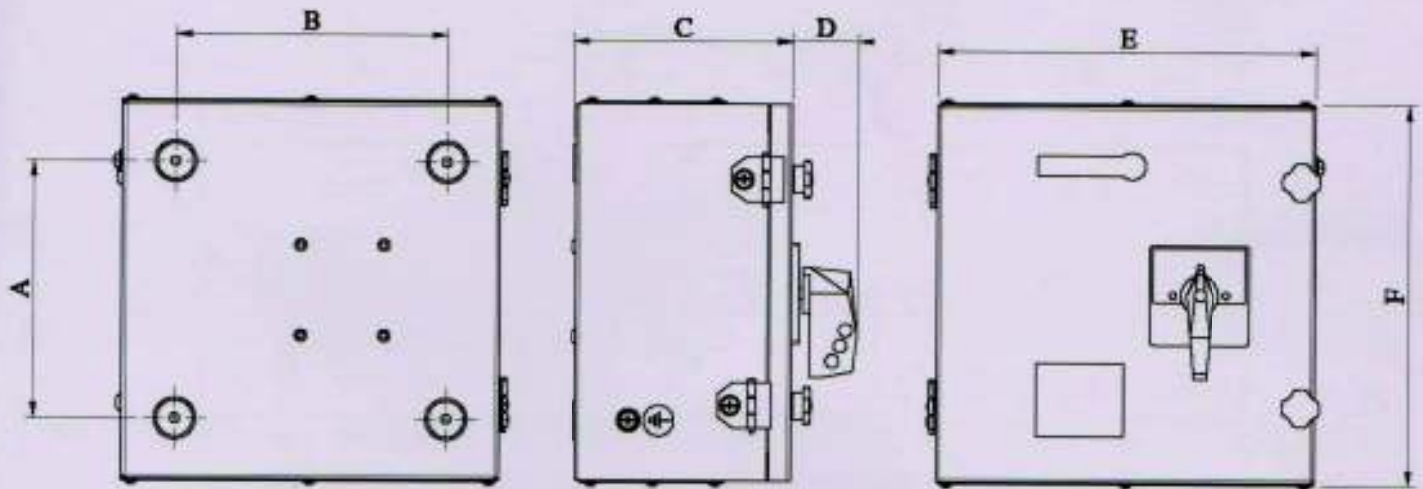
On-load Changeover Switch (63-100A)

Open Execution



FRAME SIZE	RATING	OVERALL DIMENSIONS						SWITCH MOUNTING				CONNECTION TERMINALS								
		A	B	C	D	E	F	G	H	J	K	N	P	R	S	T	U	X	Y	Y1
00	63A	177	124	153	106	113	16	165	70	54	58	48	27	14	18	2	90	6.5	38	52
	100A	177	124	153	106	113	16	165	85	54	58	48	48	14	18	2	90	6.5	38	52

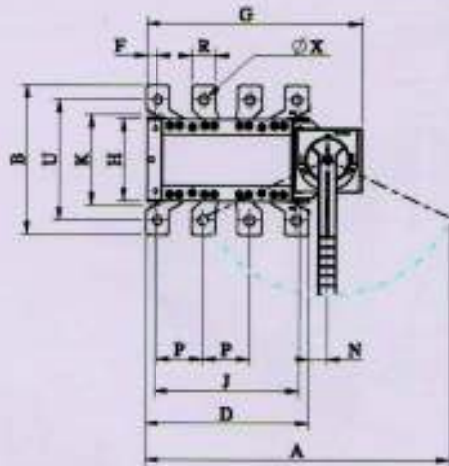
Sheet Enclosure Execution



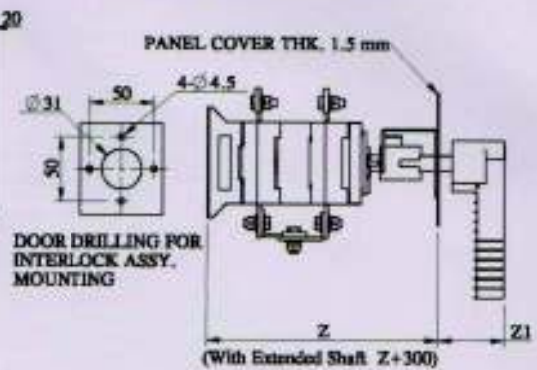
FRAME SIZE	RATING	A	B	C	D	E	F
00	63A	170	180	171	40	250	253
	100A	170	180	171	40	250	253

On-load Changeover Switch (125-630A)

Open Execution

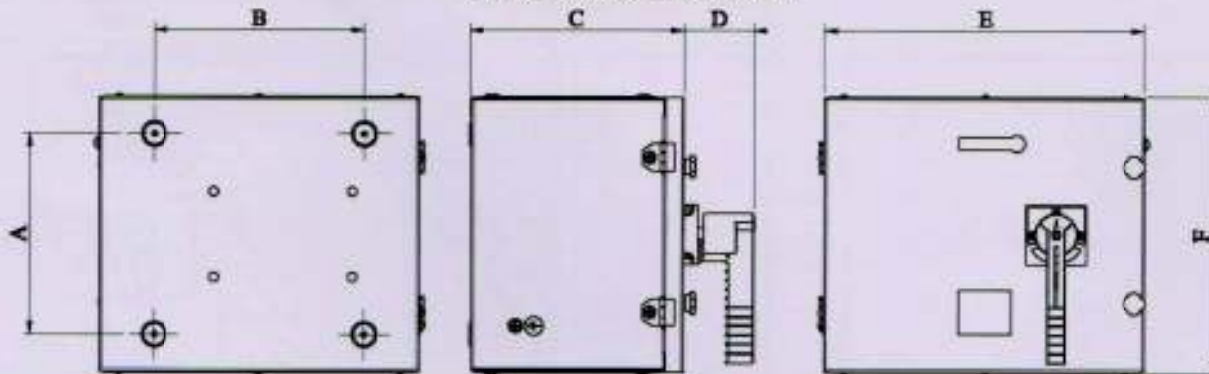


Panel Board Execution



FRAME SIZE	RATING	OVERALL DIMENSIONS											SWITCH MOUNTING					CONNECTION TERMINALS				
		A	B	C	D	E	F	G	H	J	K	N	P	R	S	T	U	Ø X	Y	Y1	Z	Z1
01	63A	318	155	223	170	158	11.5	226	85	151	96	20	48	25	35	3.5	126.5	10.5	55.5	70	233.5	76
	100A	318	155	223	170	158	11.5	226	85	151	96	20	48	25	35	3.5	126.5	10.5	55.5	70	233.5	76
	125A	318	155	223	170	158	11.5	226	85	151	96	20	48	25	35	3.5	126.5	10.5	55.5	70	233.5	76
	160A	318	155	223	170	158	11.5	226	85	151	96	20	48	25	35	3.5	126.5	10.5	55.5	70	233.5	76
02	200A	384	202.5	247	230	184.5	16	285.5	110	210	116	20	64	32	46	3.5	162.5	12	64	84	256.5	76
	250A	384	202.5	247	230	184.5	16	285.5	110	210	116	20	64	32	46	3.5	162.5	12	64	84	256.5	76
03	320A	474	260	312	290	244	17	360	160	270	179	35	86	32	50	5	226	11	85	114	319.5	76
	400A	474	260	312	290	244	17	360	160	270	179	35	86	32	50	5	226	11	85	114	319.5	76
04	630A	474	280	312	290	244	29	360	160	270	179	35	79	50	60	6	240	13	85	114	319.5	76

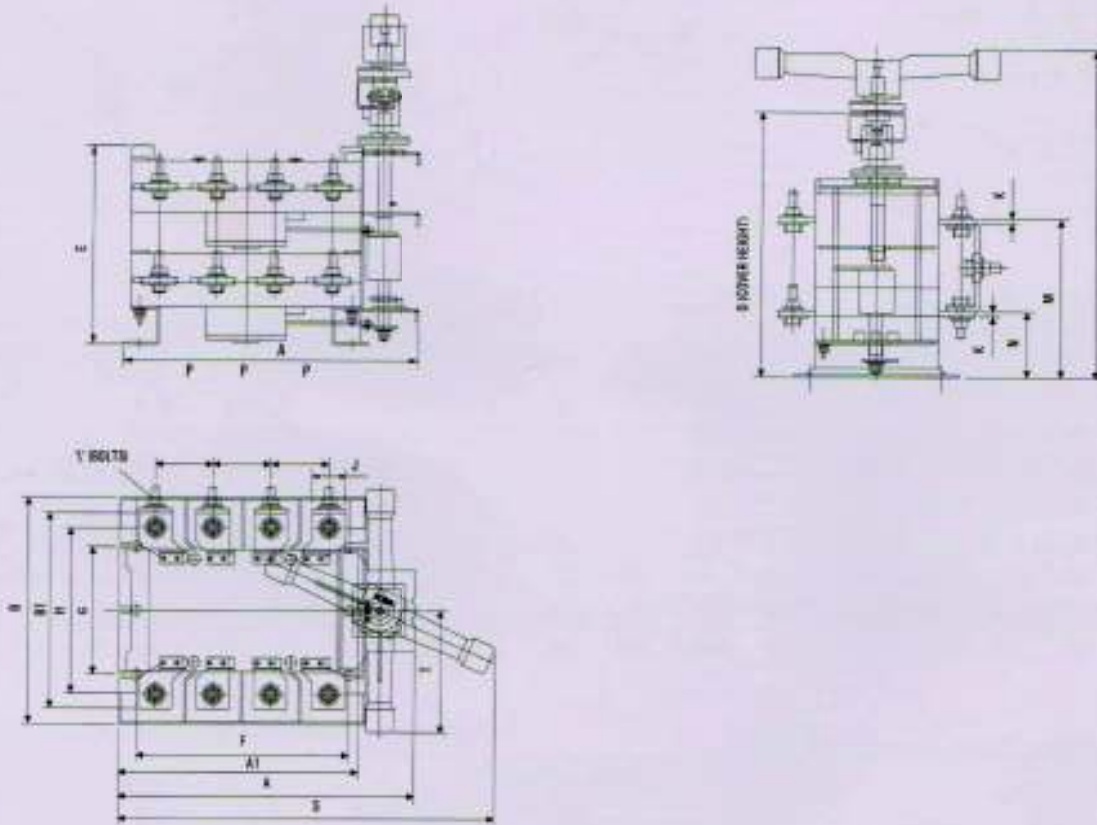
Sheet Enclosure Execution



FRAME SIZE	RATING	A	B	C	D	E	F
01	63A	220	230	235	76	350	303
	100A	220	230	235	76	350	303
	125A	220	230	235	76	350	303
	160A	220	230	235	76	350	303
02	200A	270	290	265	76	410	355
	250A	270	290	265	76	410	355
03	320A	329	357	328	76	496	431
	400A	329	357	328	76	496	431
04	630A	329	357	328	76	496	431

On-load Changeover Switch (800-3150A)

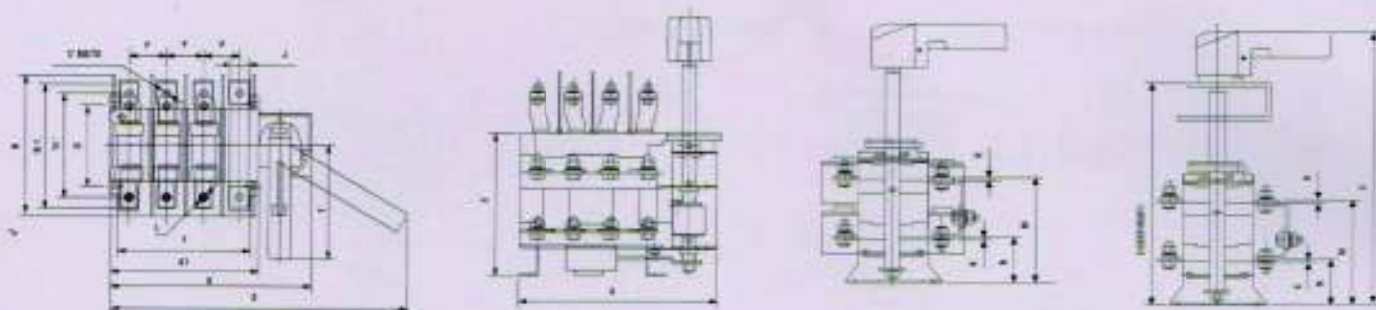
Open Execution



Amps Frame	Over-all Dimensions				Foot Hole								Terminal Dimensions								
	Total Length	Total Width	Total Height	Cover Height	A	B	C	D	A1	B1	E	F	G	H	J	K	L	M	N	P	S
800A	5	445	330	460	380	360	330	295	360	225	270	80	8.0	16	240	100	80	560	175		
1000A	6	600	340	460	380	510	340	295	510	225	280	70	8.0	10	240	100	120	750	225		
1250A	6	600	340	460	380	510	340	295	510	225	280	70	10.0	10	240	100	120	750	225		
1600A	6	600	340	460	380	510	340	295	510	225	280	100	13.0	10	240	100	120	750	225		
2000A	7	600	340	625	545	510	340	460	510	225	280	70	16.0	10	240	100	120	750	225		
2500A	7	600	340	625	545	510	340	460	510	225	280	70	20.0	10	240	100	120	750	225		
3150A	7	600	340	625	545	510	340	460	510	225	280	100	26.0	10	240	100	120	750	225		

On-load Switch Fuse Changeover (63-630A)

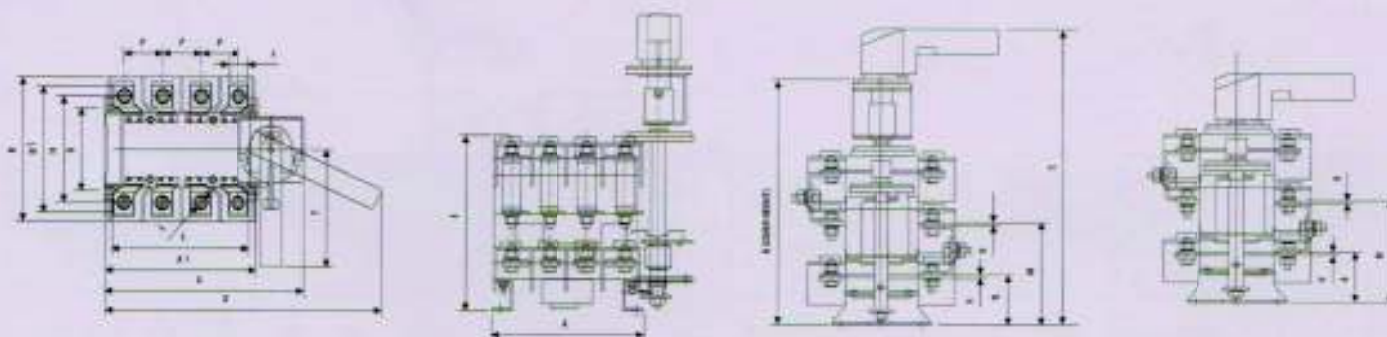
Open Execution



Amps	Frame	Over-all Dimensions				Feet Hole								Terminal Dimensions									
		Total Length	Total Width	Total Height	Cover Height	A	B	C	D	A1	B1	E	F	G	H	J	K	L	M	N	P	S	T
63A	1	230	165	370	300	170	150	230	158	95	126	22	2.6	8	126	57	44	220	135				
125A	1	230	165	370	300	170	150	230	158	95	126	22	3.6	8	127	58	44	320	135				
200A	2	300	215	420	350	243	195	290	205	111	160	32	5.0	10	162	75	62	415	160				
250A	2	300	215	420	350	243	195	290	205	111	160	32	5.8	12	162	75	62	415	160				
320A	2	300	215	420	350	243	195	290	205	111	160	32	6.5	12	162	75	62	415	160				
400A	3	410	315	550	470	320	270	370	290	180	230	46	6.5	12	220	93	80	510	175				
630A	3	410	315	550	470	320	280	370	290	180	240	52	8.0	16	222	94	80	510	175				

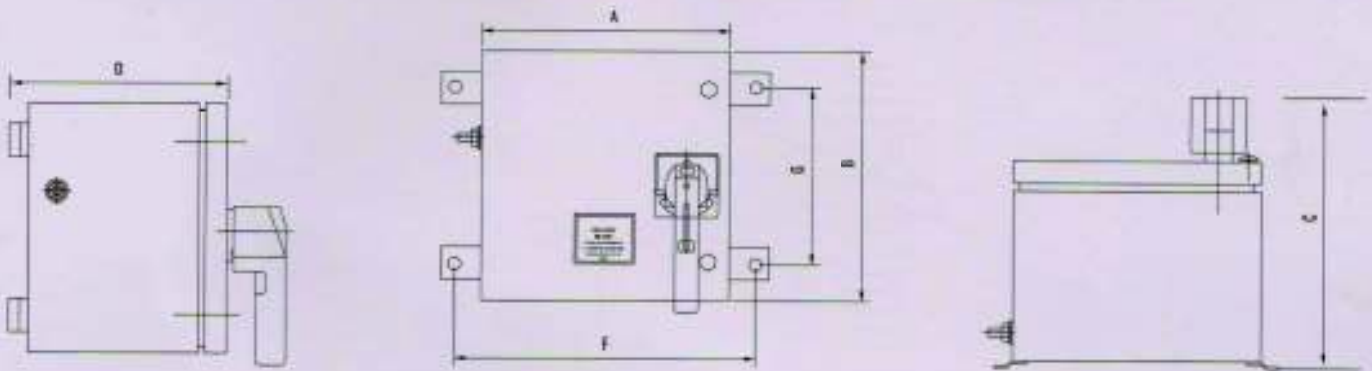
On-load Bypass Switches (63-630A)

Open Execution



Amps	Frame	Over-all Dimensions				Feet Hole								Terminal Dimensions									
		Total Length	Total Width	Total Height	Cover Height	A	B	C	D	A1	B1	E	F	G	H	J	K	L	M	N	P	S	T
63A	1	230	165	400	320	170	150	225	158	95	126	22	2.6	8	195	57	44	320	135				
125A	1	230	165	400	320	170	150	225	158	95	126	22	3.6	8	195	57	44	320	135				
200A	2	300	215	460	380	243	195	290	205	111	160	32	5.0	10	253	75	62	415	160				
250A	2	300	215	460	380	243	195	290	205	111	160	32	5.8	12	253	75	62	415	160				
320A	2	300	215	460	380	243	195	290	205	111	160	32	6.5	12	253	75	62	415	160				
400A	3	410	315	580	500	320	270	405	290	180	230	46	6.5	12	350	93	80	510	175				
630A	3	410	315	580	500	320	280	405	290	180	240	52	8.0	16	350	94	80	510	175				

Sheet Enclosure Execution



On-load Changeover Switch (Sheet Enclosure Execution)

Amps	Frame	A	B	C	D	F	G
800A	5	550	500	480	410	610	375
1000A	6	700	600	480	410	760	475
1250A	6	700	600	480	410	760	475
1600A	6	700	600	480	410	760	475
2000A	7	700	750	640	570	760	575
2500A	7	700	750	640	570	760	575
3150A	7	700	750	640	570	760	575

On-load Switch Fuse Changeover (Sheet Enclosure Execution)

Amps	Frame	A	B	C	D	F	G
63A	1	300	250	390	320	320	175
125A	1	300	250	390	320	320	175
200A	2	380	350	440	370	405	260
250A	2	380	350	440	370	405	260
320A	2	380	350	440	370	405	260
400A	3	525	450	570	500	555	345
630A	3	525	450	570	500	555	345

On-load Bypass Switches (Sheet Enclosure Execution)

Amps	Frame	A	B	C	D	F	G
63A	1	300	250	41	340	320	175
125A	1	300	250	410	340	320	175
200A	2	380	350	470	400	405	260
250A	2	380	350	470	400	405	260
320A	2	380	350	470	400	405	260
400A	3	525	450	590	520	555	345
630A	3	525	450	590	520	555	345