KAYCEE

BRAND THAT SETS THE STANDARD

Since 1942

ON LOAD CHANGEOVER SWITCH

Safe and reliable load transfer.



- Safe Load Transfer
- Seamless Changeover
- Heavy-Duty Construction
- Industrial Grade
- Long Service Life

9324780418/8208712614

www.kayceeindustries.com

About Us

Established in 1942, Kaycee Industries Limited is a leading manufacturer of high-quality electrical switching & control solutions. Our diverse product portfolio includes rotary switches, cam switches, limit switches, relays, terminal blocks, auxiliary switches, & customized electromechanical solutions that serve industries across India & global markets.



Driven by engineering excellence, innovation, & uncompromising quality, we deliver reliable products for industrial automation, power, infrastructure, railways, renewable energy, and OEM applications. Backed by advanced manufacturing facilities, stringent quality standards, & a customer-centric approach, Kaycee continues to build lasting partnerships by delivering dependable solutions that meet evolving industry needs.


CERTIFICATE

dqs

Kaycee Industries Limited

has implemented and maintains a Quality Management System.

ISO 9001 : 2015

Deutsch Quality Systems (India) Pvt. Ltd.

IQNET

80+ YEARS EXPERIENCE
A legacy of trust & engineering excellence since 1942

QUALITY ASSURED
ISO certified processes ensuring consistent quality and reliability.

TRUSTED BY LEADING OEMS
Preferred partner for OEMs & industrial customers.

CUSTOM ENGINEERING
Tailor-made solutions built to meet unique customer requirements.

PAN INDIA NETWORK
Strong distribution & service network across India

GLOBAL PRESENCE
Serving customers in international markets with pride.

ELECTRICAL & MECHANICAL CHARACTERISTICS OF ON LOAD CHANGEOVER SWITCH

FRAME SIZES	00			01			
THERMAL CURRENT(ith) 40 deg C	63A	80A	100A	100A	125A	160A	200A
Max. Normal rating of fuses	63	80	100	100	125	160	200
Insulation voltage UI (Vac)	800	800	800	800	1000	1000	1000
Dielectric Strength (Vac) 50 Hz 1 minute	4000	4000	4000	5000	5000	5000	5000
Impulse voltage (KV)	6	6	6	6	6	6	6
Rated Operational Current Ie (A)							
415 Vac : AC 23A	63	80	100	100	125	160	200
500 Vac: AC 23A	55	55	55	55	80	80	80
220V dc: DC 21A	63	80	100	100	125	160	200
220V dc: DC 22A	63	80	100	100	125	160	200
220V dc: DC 23A	63	63	63	63	125	125	125
440V dc: DC 21A	63	80	100	100	125	125	125
440V dc: DC 22A	63	80	100	100	125	125	125
440V dc: DC 23A	63	63	63	63	125	125	125
Motor Power (KW) 415A							
415 Vac without pre break Aux. Contact	30	30	30	30	63	70	80
500 Vac without pre break Aux. Contact	30	30	30	30	60	63	63
690 Vac without pre break Aux. Contact	22	22	22	22	50	55	55
415 Vac with pre break Aux. Contact	30	30	30	30	63	63	80
500 Vac with pre break Aux. Contact	30	30	30	30	70	70	80
690 Vac with pre break Aux. Contact	35	35	35	35	100	100	110
Motor Reactive 415V AC (KVAR)	25	25	25	25	50	59	60

FRAME SIZES	00			01			
Overload Capacity							
Short Circuit Current with fuses (kA RMS)	80	80	80	80	80	80	80
Fuse Rating	63	80	100	100	125	160	200
Peak Short Circuit Making Capacity (kA RMS)	15	15	15	20	20	20	20
Admissible short time current 1 sec (kA RMS)	5	5	5	7	7	7	7
Making & Breaking Characteristics							
Breaking Capacity (ARMS) 415 Vac pf=0.35	504	640	800	800	1000	1280	1600
Making Capacity (A RMS) 415 Vac pf=0.35	630	800	1000	1000	1250	1600	2000
Endurance							
Mechanical No. of Operations	10000	10000	10000	8000	8000	8000	8000
Electrical No. of Operations	2500	1500	1500	1000	1000	1000	1000
Operating Torque (N-m)	3.5	3.5	3.5	9.5	9.5	9.5	9.5
Connection							
Min. Cu Cable/Bus Bar Size (mm^2)	16	25	35	35	50	70	95
Min. Al Cable / Bus Bar Size (mm^2)	25	25 x 2	25 x 2	25 x 2	70	75	150

FRAME SIZES	02		03		04	05	
THERMAL CURRENT(ith) 40 deg C	250A	320A	400A	630A	800A	1000A	1250A
Max. Normal rating of fuses	250	320	400	630	800	1000	1250
Insulation voltage UI (Vac)	1000	1000	1000	1000	1000	1000	1000
Dielectric Strength (Vac) 50 Hz 1 minute	5000	5000	8000	8000	8000	8000	10000
Impulse voltage (KV)	8	8	12	12	12	12	12
Rated Operational Current Ie (A							
415 Vac: AC 23A	250	320	400	630	800	1000	1000
500 Vac: AC 23A	200	200	200	200	400	630	800
220V dc: DC 21A	250	250	250	250	800	1000	1250
220V dc: DC 22A	250	250	250	250	800	1000	1250
220V dc: DC 23A	200	200	200	200	800	1000	1250
440V dc: DC 21A	200	200	200	200	800	1000	1250
440V dc: DC 22A	200	200	200	200	800	1000	1250
440V dc: DC 23A	200	200	200	200	800	1000	1250
Motor Power (KW) 415A							
415 Vac without pre break Aux. Contact	132	160	200	200	450	560	560
500 Vac without pre break Aux. Contact	140	200	200	220	450	560	560
690 Vac without pre break Aux. Contact	90	150	150	150	185	400	400
415 Vac with pre break Aux. Contact	132	160	220	355	450	560	710
500 Vac with pre break Aux, contact	160	220	280	355	550	710	710
690 Vac with pre break Aux, contact	110	220	220	295	475	600	600
Motor Reactive 415V AC (KVAR)	100	125	150	2 x 125	2 x 150	3 x 150	4 x 125

FRAME SIZES	02		03		04	05	
Overload Capacity							
Short Circuit Current with fuses (kA RMS)	80	80	80	80	80	80	80
Fuse Rating	250	315	400	630	800	1000	1250
Peak Short Circuit Making Capacity (kA RMS)	30	45	45	45	55	105	105
Admissible short time current 1 sec (kA RMS)	13	13	13	13	26	50	50
Making & Breaking Characteristics							
Breaking Capacity (ARMS) 415 Vac pf=0.35	2000	2520	3200	5040	6400	8000	8000
Making Capacity (A RMS) 415 Vac pf=0.35	2500	3150	6300	8000	8000	10000	10000
Endurance							
Mechanical No. of Operations	8000	5000	5000	5000	4000	4000	4000
Electrical No. of Operations	1000	1000	1000	1000	500	500	500
Operating Torque (N-m)	11	11	17	17	40	40	40
Connection							
Min. Cu Cable/Bus Bar Size (mm^2)	120	185	30x5x2	40x5x2	50x5x2	60x5x2	80x5x2
Min. Al Cable / Bus Bar Size (mm^2)	185	240	30x8x2	40x8x2	50x8x2	50x10x2	63x12x2

ON LOAD CHANGEOVER SWITCH

63A to 1250A, 415V AC, 4 Pole

APPLICATION :

1. These switches are designed to automatically detect a power outage & initiate the switch to an alternative power source.
2. Change over Switches are used during a power outage to move electricity from the commercial power system to a local generator.
3. A changeover switch is an electrical switch that allows a load to be changed from one electrical source to another & vice versa, either manually or automatically.
4. They are commonly used in commercial buildings, industrial facilities, & critical infrastructure where uninterrupted power supply is essential.

ON LOAD CHANGEOVER SWITCH

63A to 1250A, 415V AC, 4 Pole

FUNCTION :

KAYCEE range of co-series compact version On Load Changeover switches are manually front operated 4 poles switches with very compact design which helps to save the space in panel boards resulting in low costing of panel boards. These comprise of two On Load Switch Disconnectors, which ore coupled together & are mechanically interlocked with common outgoing. These are used in low voltage distribution circuits & at places where continuity of supply is necessary for switching from main supply to on alternate source of supply & vice versa.



All CO-SERIES Switches are capable of making, carrying & breaking currents under normal circuit conditions, which may include operating under overload conditions & also carrying currents under specified abnormal circuit conditions, which may include operating under overload conditions & also carrying currents under specified abnormal circuit conditions such as short circuit for a specified time.

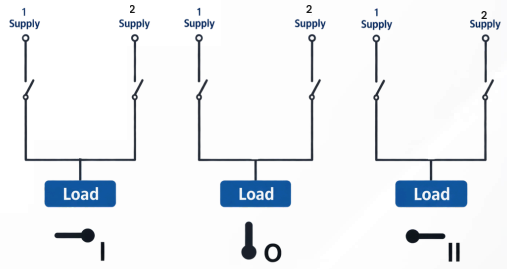
DESIGN :

- On Load Changeover Switches are manufactured using molded case with single handle arrangement.
- The switch Frames are available for 63A to 1250A.
- The whole range is manually operated & available in Open Execution & with Stainless Steel Enclosure.

CHARACTERISTICS :

- Compact & Standardized sizes for range 63 A-1250A. as compared to leading indigenous makes, thus saves panel space & cost.
- While breaking the circuit, guaranteed sufficient air sectioning clearance.
- Protection against over currents & short circuit fault of high rupturing capacity up to 80 KArms.
- Flag indicator for three stable positions i.e. (i-0-ii) & possible switching from one source to the other, on load, thereby fulfilling the role switching device with interlocking protection for Two modes of supply, one from electricity board & other from standby source i.e. generator and providing back up.

Position 0 : Circuit I and II open (Neutral Position)
Position I : Circuit I Close and Circuit II Open
(Transformer supply-ON & Generator supply-OFF)
Position II : Circuit I Open and Circuit II Close
(Generator supply-ON & Transformer supply-OFF)
The shorting link con be connected on either side to facilitate interchangeability of line and load.
Suitable for auxiliary contacts are "CO" type which provide position signalization or pre-break control.
The mounded body's raw material is glass fiber reinforced polyester (SMC), Utilization category-AC 23A



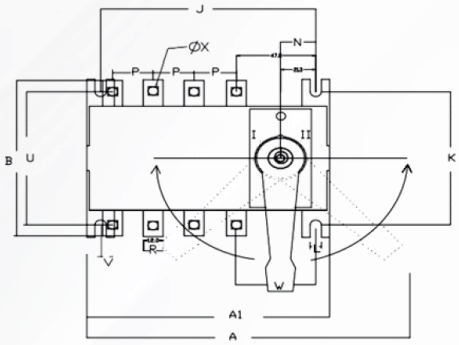
SILENT FEATURES :

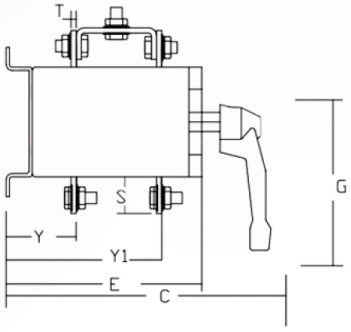
1. Compact Size, Quick Make & Break mechanism. 1.
2. Strong endurance & resistance to heat {Tropicalized).
3. Enclosed housing to avoid dust ingress.
4. High mechanical & dielectric strength.
5. Ergonomic operating handle with door interlock & padlock facility.
6. Phase barriers between each phase terminal.
7. Current carrying accessories are silver plated.

ALL DIMENSIONS ARE IN MM

DIMENSION DETAILS FOR ON LOAD CHANGEOVER SWITCH (SIZE 00) :

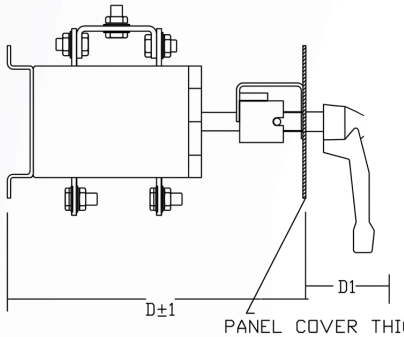
DIRECT FRONT OPERATION



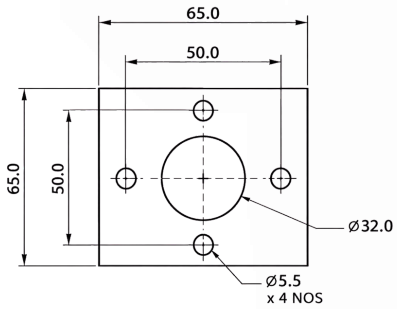




EXTERNAL FRONT OPERATION



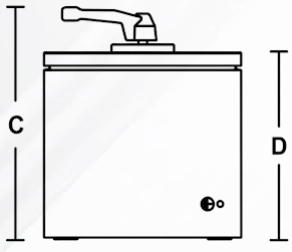
PANEL COVER THICKNESS 1.2 mm

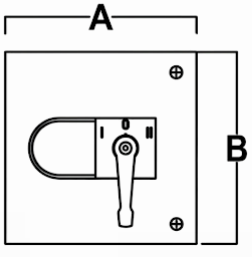


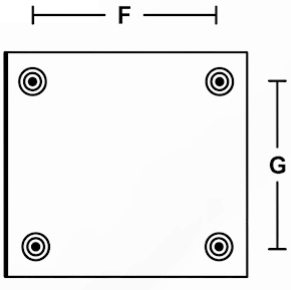
DOOR DRILLING FOR INTERLOCK ASSY MOUNTING

Overall Dimension									Fixing Of SW.					Connection Terminal								SW.WT
Rating	A1	A1	B	C	D	D1	E	G	J	K	L	N	P	R	S	T	U	V	W	0X	Y	Y1	Open Ex.
4x63	210	145	115	175	192	50	135	95	128	98	6.5	21.5	25.5	12	18	2.6	95	7	48	6.5	29	84	1.8 kg
4x80	210	145	115	175	192	50	135	95	128	98	6.5	21.5	28.0	14	18	2.6	95	3.5	44.5	6.5	29	84	1.9 kg
4x100	210	145	115	175	192	50	135	95	128	98	6.5	21.5	28.0	14	18	2.6	95	3.5	44.5	6.5	29	84	2.0 kg

DIMENSION DETAILS FOR ON LOAD CHANGEOVER SWITCH WITH STEEL SHEET ENCLOSURE :





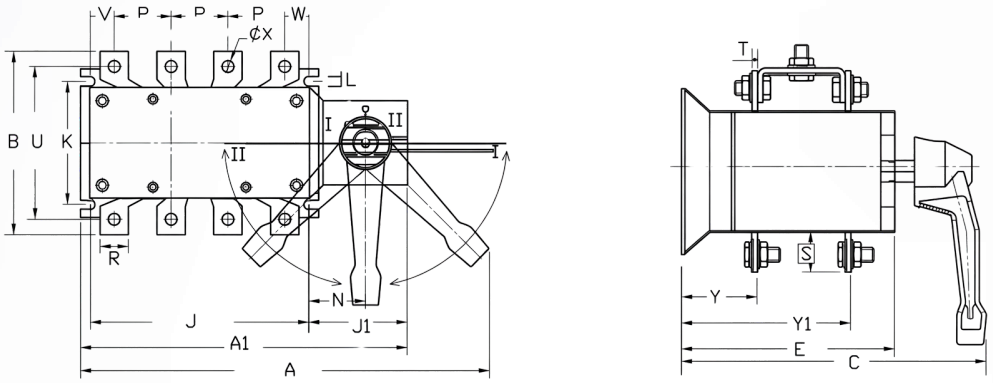




ALL DIMENSIONS ARE IN MM

CURRENT AMP	PART CODE	A	B	C	D	F	G
63Amp.	KCOLC0000063E	235	235	270	220	175	185
80Amp	KCOLC00D0080E	235	235	270	220	175	185
100Amp	KCOLC00D0100E	235	235	270	220	175	185

DIMENSION DETAILS FOR ON LOAD CHANGEOVER SWITCH (SIZE 01,02,03,04,05)



Frame Size	Overall Dimension									Fixing Of SW.						Connection Terminal									SW.WT
	Rating	A1	A1	B	C	D	D1	E	G	J	J1	K	L	L	N	P	R	S	T	U	V	W	X DIA	Y	Y1	Open Ex.
01	4x100 AMP	310	232	135	218	232	65	152	117	160	58	95	7	7	26	36	18.5	25	3	115	25	25	6.5	56	123	3.5 kg
01	4X125 AMP	310	232	142	218	232	65	152	117	160	58	95	7	7	26	45	22	28	3	118	12.5	12.5	8.5	56	123	4.0 kg
01	4x160 AMP	310	232	155	218	232	65	152	117	160	58	95	7	7	26	48	25	35	3	123	7.5	7.5	10.5	56	123	5.0 kg
01	4x200 AMP	310	232	155	218	232	65	152	117	160	58	95	7	7	26	48	25	35	4	123	7.5	7.5	10.5	56	123	5.0 kg
02	4x250 AMP	363	285	192	238	249	65	172	117	218	62	111	7	7	27	64	32	46	4	153	6	12	10.5	62	149	7.0 kg
02	4x320 AMP	363	285	192	238	249	65	173	130	218	63	111	7.5	7.5	27	64	32	46	4.5	152	7	13	10.5	62	149	7.3 kg
03	4x400 AMP	480	362	235	307	320	80	242	155	271	81	179	8.75	8.75	45	73	40	40	5	205	26	26	12.5	84	195	14 kg
03	4x630 AMP	480	362	270	307	320	80	242	155	271	81	179	8.75	8.75	45	80	55	55	5	230	14	14	14.5	84	195	17 kg
04	4x800 AMP	572	440	330	382	385	81	310	165	340	85	220	11	11	49	80	50	60	6	267	50	50	14.5	110	254	27.2 kg
05	4x1000 AMP	700	575	340	382	385	81	310	165	474	85	220	11	11	49	120	63	65	6	273	63	50	-	110	254	35.3 kg
05	4x1250 AMP	700	575	340	382	385	81	310	165	474	85	220	11	11	49	120	63	65	7	273	63	50	-	110	254	37.0 kg

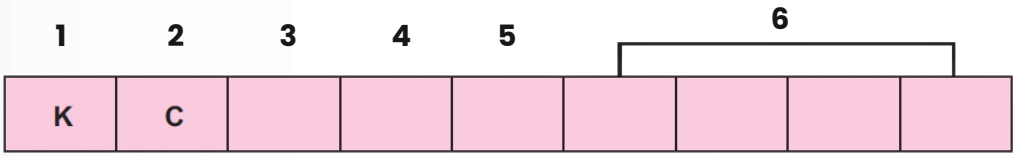
ALL DIMENSIONS ARE IN MM

CODING SYSTEM OF ON LOAD CHANGEOVER SWITCH

63A to 1250A, 415V AC, 4 Pole

Sr. No	Frame Size	AMP	Open Execusion Partcode	With Steel Enclosure Partcode
1	00	63	KCOLC00D0063	KCOLC00D0063E
2	00	80	KCOLC00D0080	KCOLC00D0080E
3	00	100	KCOLC00D0100	KCOLC00D0100E
4	01	100	KCOLC01D0100	KCOLC01D0100E
5	01	125	KCOLC01D0125	KCOLC01D0125E
6	01	160	KCOLC01D0160	KCOLC01D0160E
7	01	200	KCOLC01D0200	KCOLC01D0200E
8	02	250	KCOLC02D0250	KCOLC02D0250E
9	02	320	KCOLC02D0320	KCOLC02D0320E
10	03	400	KCOLC03D0400	KCOLC03D0400E
11	03	630	KCOLC03D0630	KCOLC03D0630E
12	04	800	KCOLC04D0800	KCOLC04D0800E
13	05	1000	KCOLC05D1000	KCOLC05D1000E
14	05	1250	KCOLC05D1250	KCOLC05D1250E

CODING SYSTEM



3. TYPE OF SWITCH
OLC - ON LOAD
CHANGEOVER SWITCH

4. FRAME SIZES :
00-63A, 80A, 100A
01-100A, 125A, 160A, 200A
02-250A, 320A
03-400A, 630A
04-800A
05-1000A, 1250A

5. NO OF POLES
C-3 NO OF POLES
D-4 NO OF POLES

6. CURRENT RATING (IN 4 DIGITS)
0063A, 0080A, 0100A
0100A, 0125A, 0160A, 0200A
0250A, 0320A
0400A, 0630A
0800A
1000A, 1250A

EXAMPLE :

KCOLC00D0063
Explanation :
OLCON LOAD CHANGEOVER
00-FRAME SIZE 00
D-4 NO OF POLES
0063-CURRENT RATING-63A

ALL DIMENSIONS ARE IN MM

KAYCEE



COMPLETE SWITCHING SOLUTIONS

For Industrial, Infrastructure & Residential Needs

CONTACT US

We are here to help you. Reach out to us for enquiries, support or business collaborations.

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