

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.
All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



LBCD315-8003PSN AC-22@400V(415) Door Interlocked Changeover Switches

- EN 60947- 1 & 3 Compliant
- IP65



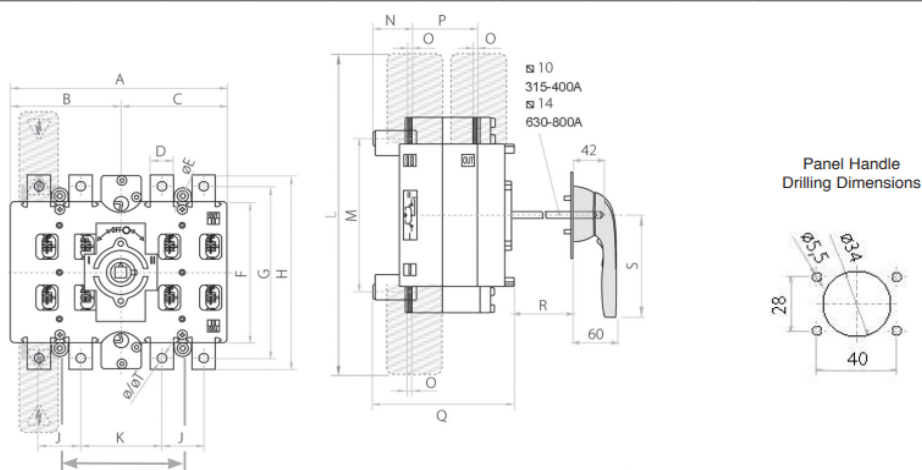
Data	Range	Units	LBCD3153PSN	LBCD4003PSN	LBCD6303PSN	LBCD8003PSN
Rated thermal current I _{th} at 40°C	Amps	A	315	400	630	800
Rated insulation voltage U _i	Volts	V	1000	1000	1000	1000
Rated dielectric strength	Volts	kV	6	6	8	8
Rated impulse voltage U _{imp}	Volts	kV	8	8	12	12
Rated operational current I _e at 400V AC-22	Amps	A	315	400	630	800
Rated operational current I _e at 400V AC-23	Amps	A	200	250	500	630
Rated operational power P _e at 400V AC-23	Watts	kW	100	125	250	315
Rated breaking capacity	Amps	A	1600	2000	4000	4000
Rated making capacity	Amps	A	2000	2500	5000	5000
Rated short circuit making capacity (peak value) I _{cm}	Amps	kA	12	12	20	20
Rated short-time withstand current (1 sec) rms I _{ow}	Amps	kA	8	8	13	13
Minimum number of mechanical operations	-	Cycles	10.000	10.000	10,000	10,000
Minimum number of electrical operations @ 400V AC-22	-	Cycles	1.000	200	1,000	100
Terminal Capacity (rigid copper cable)	-	mm ²	240	240	2x240	2x240
Lug bolt size	-	-	M10	M10	M12	M12
Maximum size of busbar connection	-	mm	2x5x40	2x5x40	2x6x45	2x6x45
Tightening torque	-	Nm	24	24	45	45

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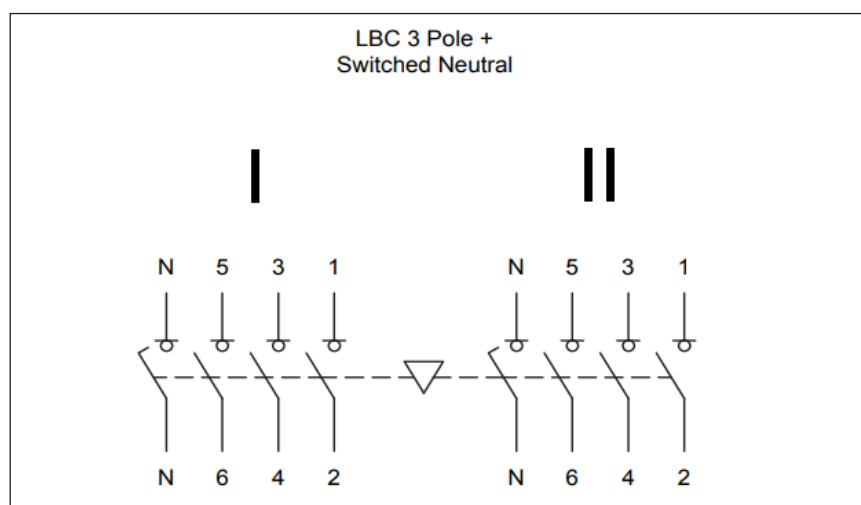
Door Interlocked Changeover Switches

Enclosure Dimensions

Dimensions (mm)												
315A 400A	3P-4P A	3P-4P B	C	D	E	F	G	H	J	K	L	M
	235	119,5	115,5	25	5,5	157	192	216	45	88	357	170
	N	O	P	Q	R Max	R Min	S	U	V	Z	Ø	ØT
	42	3	67	151	142	15	143	133	142	69	10,5	M10
630A 800A	A	B	C	D	E	F	G	H	J	K	L	M
	321	162	159	40	7	232	282	312	65	121	482	247
	N	O	P	Q	R Max	R Min	S	U	V	Z	Ø	ØT
	46	5	87	180	92	15	176	186	171	69	12,5	M12



Terminal Configuration



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Handle Assembly:

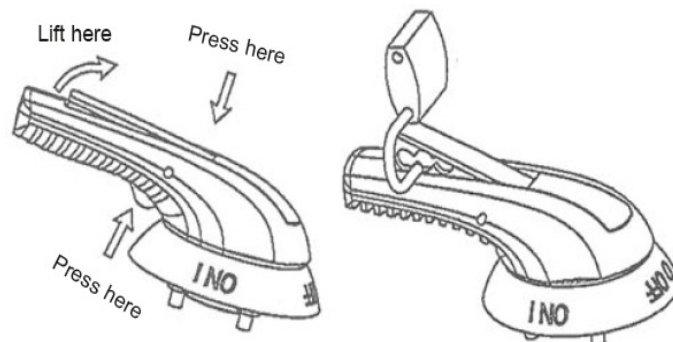
1. Ensure that the handle is in the off position and locate the handle on to the door with the handle showing the off position at 9 o' clock
2. Tighten the four M5, flange nuts to 1.5Nm



Shaft Assembly:

3. Ensure that the switch is in the off position and fully insert the shaft into the switch with the cross pin in a horizontal position
4. Tighten the M5 shaft grub screw to 1.2Nm using a 2.5mm A/F allen key

Padlock Operation



Door Interlock Defeat

Mechanism (For Authorised Personnel Only);

WARNING! ACCESS TO LIVE PARTS

- Ensure that the door is closed and the handle is in the on position
- Locate the hole on the right side of the handle, then push and hold a small pin into the hole to activate the defeat mechanism
- The door can now be opened in the on position. Remove pin and close the door to reset the mechanism



Handles, Shafts and Extended Shafts for Enclosed and Door Interlocked Changeover Switches

Product Prefix	Blue & White Handle	Red & Yellow Handle	Shaft Section (mm)	L (mm)	P (mm)	S (mm)	D (mm)
Standard Handle and Shafts							
LBC160/LBCD160	LBPHBW060	Not Available	□7	177	163-250	94	60
LBC200/LBCD200							
LBC250/LBCD250							
LBC315/LBCD315	LBPHBW070		□10	227	166-293	143	69
LBC400/LBCD400							
LBC630/LBCD630	LBPHBW080		□14	195	195-272	176	
LBC800/LBCD800							
LBC1000/LBCD1000	LBPHBW110			186	223-298	396	
Extended Shafts							
Product Prefix	Extended Shaft Type 1	Shaft Section (mm)	L (mm)	P (mm)	Extended Shaft Type 2	L (mm)	P(mm)
LBCD160	LBES010	□7	250	163-323	LBES020	387	163-460
LBCD200							
LBCD250							
LBCD315	LBES030	□10	376	166-442	LBES040	536	166-602
LBCD400							
LBCD630	LBES050	□14	345	195-422	LBES060	535	195-612
LBCD800				223-457			223-647
LBCD1000							

