

Important Safety Notice

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 be checked periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



☒ KEMA Certified ☒ EN 60947-1 & 3 Compliant ☒ IP65

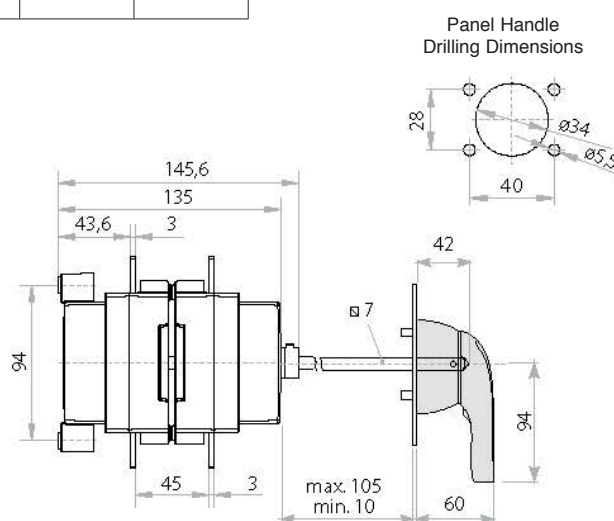
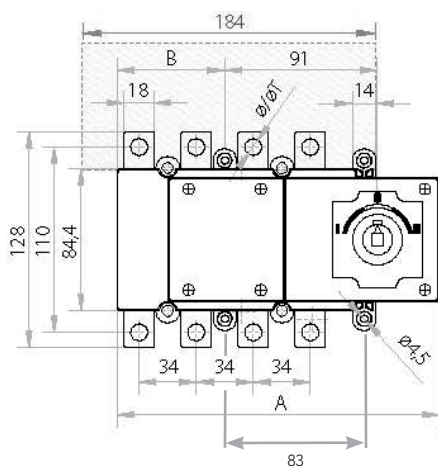


Data	Range	Units	LBCD1603PSN
Rated thermal current I_{th} at 40°C	Amps	A	160
Rated insulation voltage U_i	Volts	V	1000
Rated dielectric strength	Volts	kV	4
Rated impulse voltage U_{imp}	Volts	kV	8
Rated operational current I_e at 400V AC-22	Amps	A	160
Rated operational current I_e at 400V AC-23	Amps	A	160
Rated operational power P_e at 400V AC-23	Watts	kW	89
Rated breaking capacity	Amps	A	1280
Rated making capacity	Amps	A	1600
Rated short circuit making capacity (peak value) I_{cm}	Amps	kA	13
Rated short-time withstand current (1 sec) rms I_{cw}	Amps	kA	7
Minimum number of mechanical operations	-	Cycles	10,000
Minimum number of electrical operations @ 400V AC-22	-	Cycles	1,000
Terminal Capacity (rigid copper cable)	-	mm ²	95
Lug bolt size	-	-	M10
Maximum size of busbar connection	-	mm	5x30
Tightening torque	-	Nm	13

Enclosure Dimensions

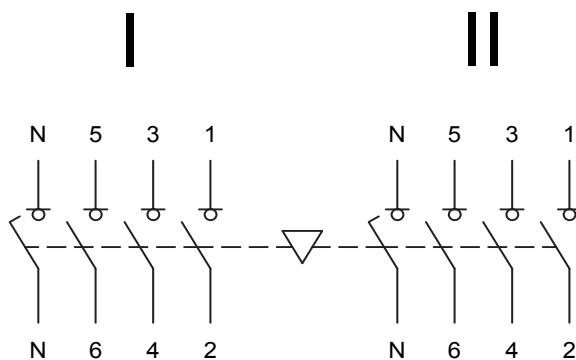
Dimensions (mm)

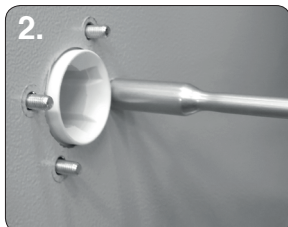
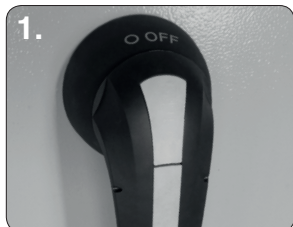
A		B		$\emptyset$	$\emptyset T$
3P	4P	3P	4P		
181	192	53	64	10	M8



Terminal Configuration

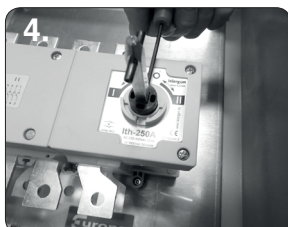
LBC 3 Pole +
Switched Neutral





Handle Assembly:

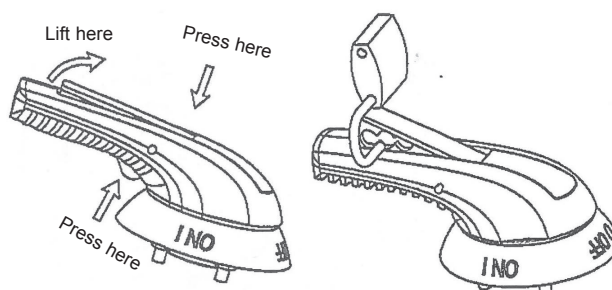
1. Ensure that the handle is in the off position and locate the handle on to the door with the handle showing the off position at 12 o'clock
2. Tighten the four M5 flange nuts to 1.5Nm



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 vertical position
4. Tighten the M5 shaft grub screw to 1.2Nm using a 2.5mm A/F allen key

Padlock Operation:



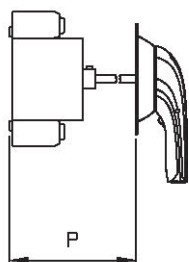
Door Interlock Defeat Mechanism (For Authorised Personnel Only):

⚠ 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



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								



P=DISTANCE FROM THE BACK OF THE SWITCH TO THE INSIDE OF THE PANEL

