



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



DC Load Break Switches

LB Series DC Switch Disconnects comply with the latest specifications for modern low voltage devices. Outstanding electrical characteristics of LB Switches with compact design, contribute to space saving installation and operational convenience. Basic construction and design of the switch makes it compact, safe and highly reliable. The switch uses polyamide glass filled material, having excellent track resistance (CTI) for Insulation to prevent flashover even in the most severe conditions. The special contact design and configuration makes the switch highly reliable to withstand high short circuit currents.


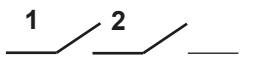
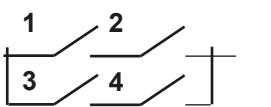
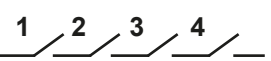

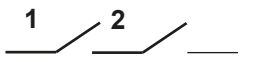
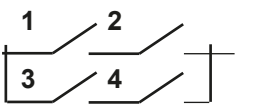
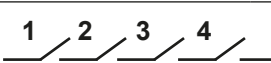
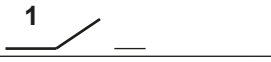
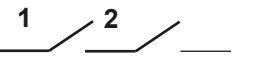
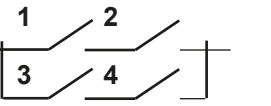
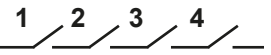
Applications

- Photovoltaic - Isolators
- Isolator
- Main Switch
- Emergency ON/OFF
- Inverter Applications
- AC / DC Changeover in Solar Pumps

Features

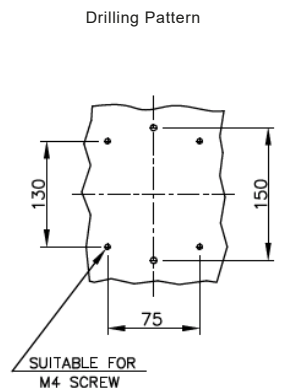
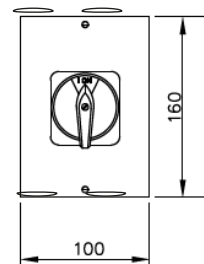
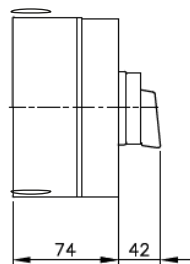
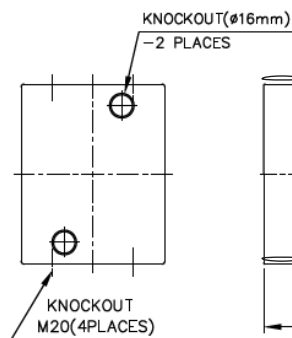
- Compact and reliable
- Finger protection
- Easy installation
- Wiping contacts
- Excellent switching and high short circuit capacity

DC Isolators Rating Table

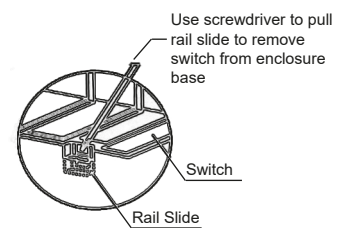
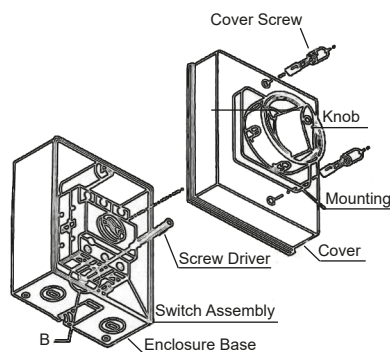
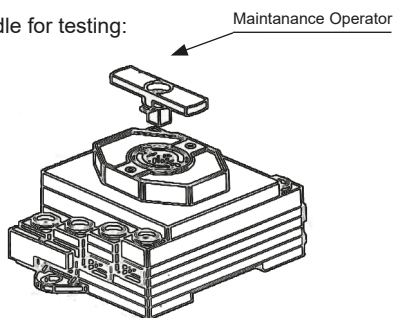
Type	Configuration	IEC Rating 60947-3 - DC21B & DC PV2			
		500V	700V	1000V	1500V
LBDC164P	 1 Pole	12	10	6	-
	 2 Poles in series	16	16	-	-
	 2 poles in series + 2 Parallel	55	25	12	3
	 4 Poles in series	20	20	20	16
LBDC254P	 1 Pole	16	12	8	-
	 2 Poles in series	20	20	-	-
	 2 poles in series + 2 Parallel	63	32	16	4
	 4 Poles in series	25	25	25	23
LBDC324P	 1 Pole	20	16	11	-
	 2 Poles in series	25	25	-	-
	 2 poles in series + 2 Parallel	72	35	20	6
	 4 Poles in series	40	40	40	32

Switching Configurations - Examples

Type	2 Poles	2+2 poles, 2 poles in series + 2 poles in parallel	4 Poles	4 Poles with Jumper Links	
Contacts Wiring Diagram					
Switching Example					



Handle for testing:



Detail B

- Degree of Protection: IP66
- Switch rear mounted for easy connection
- Enclosure colour: Dark grey base and light grey cover.
- Switch mounted in ABS enclosure.
- Round padlocking device (Max.3 padlocks) to prevent the Switch from being made ON by unauthorised personnel
- Interlock Feature (Cover opens only in OFF position)

Terminal Cross Section		Measure	LBDC164P	LBDC254P	LBDC324P	
Single / Multi Strand Wire	Min	mm ²	2.5	2.5	2.5	
	Max	mm ²	10	10	16	
Fine Strand Wire with Sleeve	Min	mm ²	0.75	0.75	2.5	
	Max	mm ²	6	6	10	
Recommended Tightening Torque for Terminals		-	Nm	1.7	1.7	2