

Enclosed Isolators

3, 4, 6 and 8 Poles



Box 1 (20 to 40A):



Box 2 (63 to 80A) and (25 to 40A 4PBB):



Box 3 (100 to 125A):



Change Over Box:



Rotary Isolator (Load Break Switch) Dimensions

Box Size	Height	Width	Depth	Depth (Including Switch)
1 (20 to 40A)	125	100	70	118
2 (63 to 80A) and 25 to 40A 4PBB)	175	125	90	134
3 (100 to 125A)	280	190	130	190
Change Over Box				

AC-21 Switch Ratings.

Dimensions : Millimetres

Enclosed Isolators

3, 4, 6 and 8 Poles



Canadian Standards:	CAN/CSA-C22.2 No.14										
American Standards:	UL508										
IEC and European Standards:	IEC 60947-1 and 3, EN60947, VDE 0660-107										
Isolator Rating (AC-21)	Measure	Switch Code	LB20	LB25	LB32	LB40	LB63	LB80	LB100	LB125	
Rated Operational Voltage, UE											
IEC/EN/VDE	Volts	V	690	690	690	690	690	690	690	690	
UL/CSA			600	600	600	600	600	600	600	600	
Main Switch: Isolating Voltage up to			750	750	750	750	750	750	750	750	
Resistance to Surge Pulse Voltage, Uimp		KV	6	6	6	6	6	6	6	6	
Rated Uninterrupted Current, Iu	Amp	A	16	20	25	32	40	63	100	125	
Rated Uninterrupted Current, Ie											
IEC/EN/VDE	AC-22	Amp	A	16	20	25	32	40	63	100	125
	AC-21A			20	25	32	40	63	80		
	AC-1			16	20	25	32	40	63		
UL/CSA											
Rated Operational Power at 50 to 60Hz (IEC/EN/VDE)											
IEC/EN/VDE	AC-23A, 3 Phase, 3 Pole	220-240V	kW	3.0	4.0	5.5	7.5	11.0	15	22.0	30
		380-440V		5.5	7.5	11.0	15.0	18.5	30	37.0	45
		500-690V		7.5	11.0			22.0		45.0	55
	AC-3A, 3 Phase, 3 Pole	220-240V		2.0	3.0	4.0	5.5	7.5	11	18.5	22
		380-440V		3.0	5.5	7.5	11.0	18.5	22	30.0	37
		500-690V		5.5	7.5	11.0				37.0	45
Short Circuit Capacity (IEC/EN/VDE)											
Maximum Fuse Size (Type gL)	Amp	A	16	25	25	32	40	63	100	125	
Rated Fused Short Circuit Current		kA	5	5	30	30	30	30	30	30	

Enclosed Isolators

3, 4, 6 and 8 Poles



Isolator Rating (AC-21)		Measure	Switch Code	LB20	LB25	LB32	LB40	LB63	LB80	LB100	LB125
UL/CSA Power Rating											
DOL	3 Phase, 3 Pole	120V	HP	1.5	1.5	3.0	3.0	5	7.5	7.5	7.5
		240V		3.0	3.0	7.5	7.5	10	15.0	15.0	15.0
		480V		7.5	7.5	15.0	20.0	20	25.0	30.0	40.0
		600V		10.0	10.0	20.0	25.0	30	30.0	40.0	50.0
	1 Phase	120V		0.5	0.5	1.5	2.0	3	4.5	3.0	3.0
		240V		1.5	1.5	2.0	3.0	4	6.0	7.5	7.5
Short Circuit Capacity (UL/CSA)											
Maximum Fuse Size	Amp	A	25	25	50	50	70	70	100	125	
Fuse (Being Certified with J Type Fuses)	Type	-	J	J	J, RK5				J	J	
Rated Fuse Short Circuit Current	Amp	kA	5	5	5	5	5	5	10	10	
Terminal Cross Section											
Single/Multiple Strand Wire	Minimum	mm²	1.5	1.5	1.00	1.00	4.0	4.0	6.0	6.0	
	Maximum		6.0	6.0	10.00	10.00	16.0	16.0	70.0	70.0	
Fine Strand Wire with Sleeve	Minimum		0.5	0.5	0.75	0.75	2.5	2.5	4.0	4.0	
	Maximum		6.0	6.0	6.00	6.00	10.0	10.0	50.0	50.0	
American Wire Gauge	-	AWG	12.0	12.0	8.00	8.00	6.0	6.0	1.0	1.0	
Recommended Tightening Torque for Terminals	-	NM	0.8	0.8	1.70	1.70	1.7	1.7	2.5	2.5	

Enclosed Isolators

3, 4, 6 and 8 Poles



Duty Category Table

Current	Category	Typical Applications	Relevant IEC Product Standard
AC	AC-1	Non-inductive or slightly inductive loads, resistance furnaces	947-4
	AC-3	Squirrel-cage motors: Starting, switching off motors during running	947-3
	AC-15	Control of AC electromagnetic Loads	947-5-1
	AC-21	Switching of resistive loads, including moderate overloads	947-3
	AC-22	Switching of mixed resistive and inductive loads	947-3
	AC-23	Switching of motor loads or other highly inductive loads	947-3
DC	DC-1	Non-inductive or slightly inductive loads, resistance furnaces	947-4
	DC-13	Control of DC electromagnets	947-5-1

Part Number Table

Description	Part Number
Mains Isolators-Enclosed 20A 4 Pole	LB204P
Mains Isolators-Enclosed 25A 4 Pole	LB254P
Mains Isolators-Enclosed 25A 4 P BB	LB254PBB
Mains Isolators-Enclosed 25A 6 Pole	LB256P
Mains Isolators-Enclosed 25A 8 Pole	LB258P
Mains Isolators-Enclosed 32A 3 Pole	LB323P
Mains Isolators-Enclosed 32A 4 Pole	LB324P
Mains Isolators-Enclosed 32A 4 P BB	LB324PBB
Mains Isolators-Enclosed 32A 6 Pole	LB326P
Mains Isolators-Enclosed 32A 8 Pole	LB328P
Mains Isolators-Enclosed 40A 3 Pole	LB403P
Mains Isolators-Enclosed 40A 4 Pole	LB404P
Mains Isolators-Enclosed 40A 4 P BB	LB404PBB

<http://www.farnell.com>
<http://www.newark.com>
<http://www.cpc.co.uk>



Enclosed Isolators

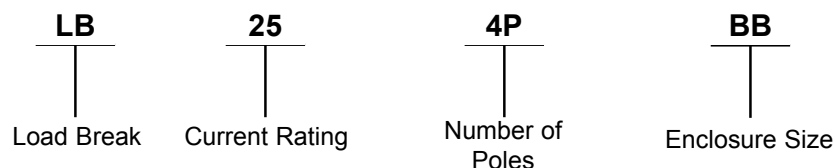
3, 4, 6 and 8 Poles



Part Number Table

Description	Part Number
Mains Isolators-Enclosed 40A 6 Pole	LB406P
Mains Isolators-Enclosed 40A 8 Pole	LB408P
Mains Isolators-Enclosed 63A 3 Pole	LB633P
Mains Isolators-Enclosed 63A 4 Pole	LB634P
Mains Isolators-Enclosed 80A 3 Pole	LB803P
Mains Isolators-Enclosed 80A 4 Pole	LB804P
Mains Isolators-Enclosed 100A 4 Pole	LB1004P
Mains Isolators-Enclosed 125A 4 Pole	LB1254P
Mains Isolator Change Over 25A 4P	LBC254P
Mains Isolator Change Over 32A 4P	LBC324P
Mains Isolator Change Over 40A 4P	LBC404P

Part Number Explanation:



- Current Rating** : 20 = 20A, 25 = 25A, 32 = 32A, 40 = 40A, 63 = 63A, 80 = 80A, 100 = 100A and 125 = 125A (AC-21A and AC-1).
- Number of Poles** : 3P = 3, 4P = 4, 6P = 6 and 8 = 8 Poles.
- Enclosure Size** : BB = Enclosure Size (Large Enclosure if Required).

Disclaimer This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC Multicomp is the registered trademark of the Group. © Premier Farnell plc 2009.

<http://www.farnell.com>
<http://www.newark.com>
<http://www.cpc.co.uk>

