Enclosed Isolators

3, 4, 6 and 8 Poles

Box 1 (20 to 40 A):

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

Box 3 (100 to 125 A):

Change Over Box:

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

Dimensions : Millimetres

AC-21 Switch Ratings

Canadian Standards:	CAN / CSA-C22.2 No.14	
American Standards:	UL508	
IEC and European Standards:	IEC 60947-1 and 3, EN60947, VDE 0660-107	

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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		Amperes	A	16	20	25	32	40	63	100	125
Rated Uninterrupted Current, Ie											
IEC / EN / VDE	**AC-22**	Amperes	A	16	20	25	32	40	63	100	125
	AC-21 A			20	25	32	40	63	80		
	AC-1										
UL / CSA				16	20	25	32	40	63		
Rated Operational Power at 50 to 60 Hz (IEC / EN / VDE)											
IEC / EN / VDE	**AC-23 A 3 Phase 3 Pole**	220 to 240 V	kW	3	4	5.5	7.5	11	15	22	30
		380 to 440 V		5.5	7.5	11	15	18.5	30	37	45
		500 to 690 V		7.5	11			22		45	55
	AC-3 A 3 Phase 3 Pole	220 to 240 V		2	3	4	5.5	7.5	11	18.5	22
		380 to 440 V		3	5.5	7.5	11	18.5	22	30	37
		500 to 690 V		5.5	7.5	11				37	45
Short Circuit Capacity (IEC / EN / VDE)											
Maximum Fuse Size (Type gL)		Amperes	A	16	25	25	32	40	63	100	125
Rated Fused Short Circuit Current			kA	5	5	30	30	30	30	30	30
UL / CSA Power Rating											
DOL	**3 Phase, 3 Pole**	120 V	HP	1.5	1.5	3	3	5	7.5	7.5	7.5
		240 V		3	3	7.5	7.5	10	15	15	15
		480 V		7.5	7.5	15	20	20	25	30	40
		600 V		10	10	20	25	30	30	40	50
	1 Phase	120 V		0.5	0.5	1.5	2	3	4.5	3	3
		240 V		1.5	1.5	2	3	4	6	7.5	7.5

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Isolator Rating (AC-21)	Measure	Switch Code	LB20	LB25	LB32	LB40	LB63	LB80	LB100	LB125
Short Circuit Capacity (UL / CSA)										
Maximum Fuse Size	Amperes	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	Amperes	kA	5	5	5	5	5	5	10	10
Terminal Cross Section										
Single / Multiple Strand Wire	Minimum	mm^2	1.5	1.5	1	1	4	4	6	6
	Maximum		6	6	10	10	16	16	70	70
Fine Strand Wire with Sleeve	Minimum		0.5	0.5	0.75	0.75	2.5	2.5	4	4
	Maximum		6	6	6	6	10	10	50	50
American Wire Gauge	-	AWG	12	12	8	8	6	6	1	1
Recommended Tightening Torque for Terminals	-	NM	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5

Duty Category Table			
Current	**Category**	**Typical Applications**	**Relevant IEC Product Standard**
	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 load	947-3
DC	DC-1	Non-inductive or slightly inductive loads, resistance furnaces	947-4
	DC-13	Control of DC electromagnets	947-5-1

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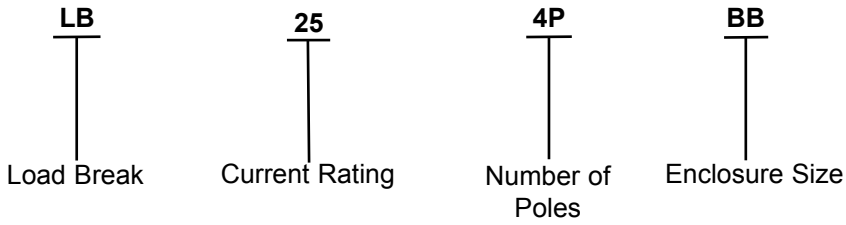
Part Number Table

Description	Part Number
Isolator Enclosed 2 A 4 Pole	LB204P
Isolator Enclosed 2 A 4 Pole	LB254P
Isolator Enclosed 2 A 4 P BB	LB254PBB
Isolator Enclosed 2 A 6 Pole	LB256P
Isolator Enclosed 2 A 8 Pole	LB258P
Isolator Enclosed 3 A 3 Pole	LB323P
Isolator Enclosed 3 A 4 Pole	LB324P
Isolator Enclosed 3 A 4 P BB	LB324PBB
Isolator Enclosed 3 A 6 Pole	LB326P
Isolator Enclosed 3 A 8 Pole	LB328P
Isolator Enclosed 4 A 3 Pole	LB403P
Isolator Enclosed 4 A 4 Pole	LB404P

Description	Part Number
Isolator Enclosed 4 A 4 P BB	LB404PBB
Isolator Enclosed 4 A 6 Pole	LB406P
Isolator Enclosed 4 A 8 pole	LB408P
Isolator Enclosed 6 A 3 Pole	LB633P
Isolator Enclosed 6 A 4 Pole	LB634P
Isolator Enclosed 8 A 3 Pole	LB803P
Isolator Enclosed 8 A 4 Pole	LB804P
Isolator Enclosed 10 A 4 Pole	LB1004P
Isolator Enclosed 12 A 4 Pole	LB1254P
Isolator Change Over 2 A 4P	LBC254P
Isolator Change Over 3 A 4P	LBC324P
Isolator Change Over 4 A 4P	LBC404P

Part Number Explanation:



Current Rating : 20 = 20 A, 25 = 25 A, 32 = 32 A, 40 = 40 A, 63 = 63 A, 80 = 80 A, 100 = 100 A and 125 = 125 A (AC-21 A 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)

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