

Enclosed Isolators

3, 4, 6 and 8 Poles

multicompPRO



Box 1
(20A to 40A)



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



Box 3
(100A to 125A)



Change Over Box

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

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

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

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Isolator Rating (AC-21)		Measure	Switch Code	LB20	LB25	LB32	LB40	LB63	LB80	LB100	LB125
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			16	20	25	32	40	63		
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	220V to 240V	kW	3	4	5.5	7.5	11	15	22	30
		380V to 440V		5.5	7.5	11	15	18.5	30	37	45
		500V to 690V		7.5	11			22		45	55
	AC-3 A 3 Phase 3 Pole	220V to 240V		2	3	4	5.5	7.5	11	18.5	22
		380V to 440V		3	5.5	7.5	11	18.5	22	30	37
		500V to 690V		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	120V	HP	1.5	1.5	3	3	5	7.5	7.5	7.5
		240V		3	3	7.5	7.5	10	15	15	15
		480V		7.5	7.5	15	20	20	25	30	40
		600V		10	10	20	25	30	30	40	50
	1 Phase	120V		0.5	0.5	1.5	2	3	4.5	3	3
		240V		1.5	1.5	2	3	4	6	7.5	7.5
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	
Rated Fuse Short Circuit Current		Amperes	kA	5	5	5	5	5	5	10	10
Terminal Cross Section											
Single / Multiple Strand Wire		Minimum	mm²	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		-		12	12	8	8	6	6	1	1
Recommended Tightening Torque for Terminals		-		0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5

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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

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

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