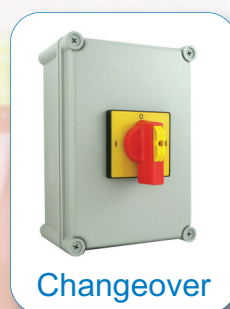
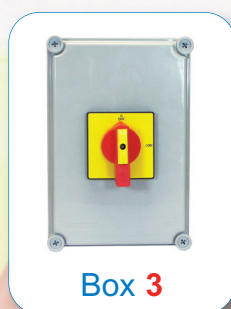


Boxed Rotary Isolator Dimensions

See pages 21-22 for Load Break (Isolator) Switches & Changeover Switches

Box Size	Height (mm)	Width (mm)	Depth (mm)	Depth (Including Switch) (mm)
1 (20-40A)	125	100	70	118
2 (63-80A)	175	125	90	134
3 (100-125A)	280	190	130	190
Changeover Box	280	190	130	190
Metal Enclosure	400	300	200	260
Stainless Steel 25-40A	173	100	118	162
Stainless Steel 63-80A	178	178	132	176

■ AC21 Switch Ratings



Duty Category Information 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 & 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

* **Please Note:** This table is for information purposes only - Europa Loadbreak Switches are not DC rated.

Canadian Standards:		CAN / CSA-C22.2 No.14									
American Standards:		UL508									
IEC & European Standards:		IEC 60947-1 & 3, EN60947, VDE 0660-107									
Isolator Rating (AC21)		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		Volts	V	600	600	600	600	600	600	600	600
Main switch: Isolating Voltage up to		Volts	V	750	750	750	750	750	750	750	750
Resistance to Surge Pulse Voltage, Uimp		Volts	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	AC22	Amp	A	16	20	25	32	40	63	100	125
	AC-21A	Amp	A	20	25	32	40	63	80	100	125
	AC-1	Amp	A	20	25	32	40	63	80	100	125
UL / CSA		Amp	A	16	20	25	32	40	63	100	125
Rated Operational Power at 50 to 60Hz (IEC / EN / VDE)											
IEC / EN / VDE	AC-23A, 3 Phase, 3 Pole	220-240V	kW	3	4	5.5	7.5	11	15	22	30
		380-440V	kW	5.5	7.5	11	15	18.5	30	37	45
		500-690V	kW	7.5	11	11	15	22	30	45	55
	AC-3A, 3 Phase, 3 Pole	220-240V	kW	2	3	4	5.5	7.5	11	18.5	22
		380-440V	kW	3	5.5	7.5	11	18.5	22	30	37
		500-690V	kW	5.5	7.5	11	11	18.5	22	37	45
Short Circuit Capacity (IEC / EN / VDE)											
Max. Fuse Size (Type gL)		Amp	A	16	25	25	32	40	63	100	125
Rated Fused Short Circuit Current		Amp	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	HP	3	3	7.5	7.5	10	15	15	15
		480V	HP	7.5	7.5	15	20	20	25	30	40
		600V	HP	10	10	20	25	30	30	40	50
	1 Phase	120V	HP	0.5	0.5	1.5	2	3	4.5	3	3
		240V	HP	1.5	1.5	2	3	4	6	7.5	7.5
Short Circuit Capacity (UL / CSA)											
Max. 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		Min	mm²	1.5	1.5	1	1	4	4	6	6
		Max	mm²	6	6	10	10	16	16	70	70
Fine Strand Wire with Sleeve		Min	mm²	0.5	0.5	0.75	0.75	2.5	2.5	4	4
		Max	mm²	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



Load Break Switch - Operating Temperatures

The normal operating temperature range for our switch disconnectors is from -25°C to +40°C. For higher ambient temperatures of more than +40°C the switch has to be *derated accordingly*. The table below shows the percentage of derating in load for different temperature ranges. The maximum operating temperature of our switches in continuous use is +80°C.

Temperature	Derating %	20A	25A	32A	40A	63A	80A	100A	125A
40°C	100%	20A	25A	32A	40A	63A	80A	100A	125A
45°C	95%	19A	24A	30A	38A	60A	76A	95A	119A
50°C	90%	18A	23A	29A	36A	57A	72A	90A	113A
55°C	85%	17A	21A	27A	34A	54A	68A	85A	106A
60°C	80%	16A	20A	26A	32A	50A	64A	80A	100A
65°C	75%	15A	19A	24A	30A	47A	60A	75A	94A
70°C	70%	14A	18A	22A	28A	44A	56A	70A	88A
75°C	65%	13A	16A	21A	26A	41A	52A	65A	81A
80°C	60%	12A	15A	19A	24A	38A	48A	60A	75A

Load Break Enclosure / Switch Size	Potential No. of Additional Auxiliarys
3P Boxed 32-80A	1 Auxiliary
4P Boxed 20-40A	-
4P Boxed 63-80A	1 Auxiliary
4P Boxed 100-125A	-
4P Large Enclosure 25-40A	1 Auxiliary
4P Stainless Steel 25-40A	-
4P Stainless Steel 63-80A	2 Auxiliarys (1 either side)
6P Boxed 25-40A	2 Auxiliarys (1 either side)
6P Boxed 63-125A	2 Auxiliarys (1 either side)
8P Boxed 25-40A	-
8P Boxed 63-125A	-
4P Boxed Change Over 25-40A	-
4P Boxed Change Over 63-125A	2 Auxiliarys (1 either side)