

SIEMENS

Disconnect Switches

LOAD BREAK SWITCHES



Non-Fusible Disconnect Switches

Features

- 25 -100 Ampere, to 50 hp 480V and 600V
- Separate Design E horsepower listed ratings. No NEC de-rating calculation required
- Separate motor FLA and LRA listed ratings. No hp conversions needed for FLA/LRA rated loads
- Rotary and Toggle actuation models
- UL and CUL listed under File No. E191706 as manual motor controllers per UL Standard UL508
- Specific listing for general use and resistive (heater) loads
- Listed for group applications per NEC 430-53(c) and (d)
- Base, DIN-rail and door mounting
- Listed for multiple conductors in each line and load terminal in 40-100A ratings
- Low heat producing current path, max 50°C rise, 60°/75°C rated
- Listed for broad application range including for electrical discharge (ballast) lamps to 480V AC
- IEC 60947-1 rated, CE marked
- Listed and marked "suitable as motor disconnect" per NEC Section 430-109

Ordering Information



Rotary Switches



Rotary Shafts



Handles



Toggle Switches

- Select the type of switch
- Select handle type
- Select shaft
- Select Auxiliary Contacts and/or accessories (if required)

Rotary and Toggle Switches

Siemens Load Break Switches are listed as manual motor controllers and are marked "suitable as motor disconnect." They act as enclosure disconnects when short circuit protection is provided upstream of the switch. If protection is not provided upstream, use a Siemens Fusible Heavy Duty or Type MCS Disconnect Switch.

Catalog Number	Switch Type	No. of Poles	Ampere Ratings			Max AC Volt	AC Horsepower Ratings										List Price Each \$				
			Gen'l	MFLA	MLRA		115V			200V			230V			460V			575V		
							1Ø	1Ø	3Ø	1Ø	3Ø	3ØE	1Ø	3Ø	3ØE	1Ø		3Ø			
LBR3025	Rotary	3	25	15.2	92	480	¾	2	3	2	5	3	5	10	7½	—	—	66			
LBR3025D [Ⓞ]	Rotary	3	25	15.2	92	480	¾	2	3	2	5	3	5	10	7½	—	—	73			
LBR3040	Rotary	3	40	27	146	600	2	3	7½	3	7½	5	7½	20	10	10	25	79			
LBR3060	Rotary	3	60	34	194	480	2	5	10	5	10	7½	10	25	15	—	—	95			
LBR3080	Rotary	3	80	54	337	600	3	7½	15	10	20	15	20	40	30	30	50	113			
LBR3100	Rotary	3	100	68	412	480	5	10	20	15	25	15	30	50	40	—	—	140			
LBR4040	Rotary	4	40	27	146	480	2	3	7½	3	7½	5	7½	20	10	—	—	124			
LBT3040	Toggle	3	40	27	146	600	2	3	7½	3	7½	5	7½	20	10	10	25	79			
LBT3060	Toggle	3	60	34	194	480	2	5	10	5	10	7½	10	25	15	—	—	95			
LBT3080	Toggle	3	80	54	337	600	3	7½	15	10	20	15	20	40	30	30	50	113			
LBT3100	Toggle	3	100	68	412	480	5	10	20	15	25	15	30	50	40	—	—	140			
LBT4040	Toggle	4	40	27	146	480	2	3	7½	3	7½	5	7½	20	10	—	—	124			

[Ⓞ] Only door mountable and for use with LBRH3 or 4 handle. 40-100 Amp rotary switches require door mounting kit. See adjacent page.

Non-Fusible Disconnect Switch Accessories

Handles

Catalog Number	Used on Rotary Switches	UL Listed NEMA Type	Mounting	Marking	Color	Cover Interlock Supplied	Padlockable ①	List Price Each \$
LBRH1	All	1	Door	I/O	Black	No	No	23
LBRH2	All	1	Door	ON/OFF	Black	No	No	23
LBRH3	All	1, 3R, 12, 13, 4X	Door	I/O, ON/OFF	Black	Yes ②	Yes	34.50
LBRH4	All	1, 3R, 12, 13, 4X	Door	I/O, ON/OFF	Red/Yel	Yes ②	Yes	34.50
LBRH5	25 Amps	1	Direct Mount	I/O	Black	—	Yes	10.80
LBRH6	3-Pole, 40-60 Amps	1	Direct Mount	I/O	Black	—	Yes	14
LBRH7	3-Pole, 80-100 Amps	1	Direct Mount	I/O	Black	—	Yes	14
LBRH8	4-Pole, 40 Amps	1	Direct Mount	I/O	Black	—	Yes	14
LBRH9	All (pistol grip type)	1, 3R, 12, 4X	Door	I/O, ON/OFF	Black	Yes	Yes	90

Note: If a replacement collar is required for the 25 Amp rotary switch, order LBRC1 (list price \$4.30). For 40-100 Amp rotary switch, order LBRC2 (list price \$4.90)

Rotary Switch Door Handles



Rotary Switch Direct Mount Handles



Auxiliary Switch Kits



Toggle Switch Cover Plates



Rotary Shafts

Catalog Number ③	Length Inches (mm)	Enclosure Depth - Inches (Mounting pan surface to O.D. of door - minimum & maximum without cutting)						List Price Each \$
		With Std. Rotary Handle			With Pistol Grip Handle			
		25A	40-60A	80-100A	25A	40-60A	80-100A	
LBRS040	1.57 (40)	—	—	3.35-3.50	—	—	—	10.80
LBRS050	1.97 (50)	—	—	3.35-3.55	—	—	—	14
LBRS055	2.17 (55)	3.35-3.55	3.35-3.55	3.50-3.70	—	—	3.35-3.56	14
LBRS080	3.15 (80)	4.41-4.56	4.46-4.65	4.49-4.68	4.09-4.25	4.21-4.37	4.36-4.54	16.10
LBRS120	4.72 (120)	5.98-6.13	6.03-6.22	6.06-6.25	5.66-5.82	5.78-5.94	5.93-6.11	18.30
LBRS180	7.09 (180)	8.35-8.50	8.40-8.59	8.43-8.62	8.03-8.19	8.15-8.31	8.30-8.48	21.50
LBRS305	12.00 (305)	13.26-13.41	13.31-13.50	13.34-13.52	12.94-13.10	13.06-13.22	13.21-13.39	24

25 Amp, 4th Pole

Used on Catalog Number	Catalog Number	List Price Each \$
LBR3025	LBRP25	45
LBR3025D	LBRP25D	51

Rotary Switch Door Mounting Kit

Used on Rotary Switch	Catalog Number	List Price Each \$
40-100 Amps	LBRD1	40

Auxiliary Switch Kits

Used on Rotary Switch	Catalog Number	Contact Arrangement	List Price Each \$
LBR3025	LBRA25	1 NO/1 NC	34.50
LBR3025D	LBRA25D	1 NO/1 NC	34.50
LBR3040, LBR3060	LBRA1	1 NO/1 NC with common point	40
LBR3080, LBR3100	LBRA2	1 NO/1 NC with common point	43

Toggle Switch Cover Plate

Used on Toggle Switch	Catalog Number	Padlockable	List Price Each \$
LBT3040, LBT3060	LBTCP1	Yes	17.20
LBT3080, LBT3100	LBTCP2	Yes	18.30
LBT4040	LBTCP3	No	20.50

① With no defeat mechanism.

② If required to open the enclosure door when the switch is on, order additional catalog number LBRDC1. List price \$4.30.

③ 3.55 inch (90 mm) length shaft catalog number LBRSF090 is also available List price \$17.20.

Dimension Drawings & Wire Ranges

LBR3025

Standard Rotary Handle Cutout

Pistol Grip Handle Cutout

Toggle — 40-100 Amps (LBT Prefix)

Rotary — 40-100 Amps (LBR Prefix)

Amps	Wire Ranges
25 Amps	(1) #14 - #10 AWG Solid (1) #14 - #8 AWG Stranded
40 & 60 Amps	(1) #14 - #10 AWG Solid (1) #14 - #4 AWG Stranded Up to (4) #12 AWG Solid Up to (3) #12 AWG Stranded Up to (6) #14 AWG Stranded Up to (4) #14 AWG Stranded with (1) #10 AWG Stranded
80 & 100 Amps	(1) #14 - #10 AWG Solid (1) #14 - #1 AWG Stranded (2) #6 AWG Stranded Up to (3) #8 AWG Stranded Up to (6) #10 AWG Stranded Up to (6) #12 AWG Solid

Short Circuit Withstand Ratings

Switch Catalog Number	Dimensions Inches (mm)							
	A	B	C	D	E	F	G	H
LBR3040	2.00 (51)	2.72 (69)	2.72 (69)	1.78 (45)	2.16 (55)	1.67 (42)	1.50 (38)	1.22 (31)
LBR3060	2.00 (51)	2.72 (69)	2.72 (69)	1.78 (45)	2.16 (55)	1.67 (42)	1.50 (38)	1.22 (31)
LBR3080	2.09 (53)	3.32 (84)	2.92 (74)	1.97 (50)	2.29 (58)	1.69 (42)	1.66 (42)	1.66 (42)
LBR3100	2.09 (53)	3.32 (84)	2.92 (74)	1.97 (50)	2.29 (58)	1.69 (42)	1.66 (42)	1.66 (42)
LBR4040	2.42 (61)	2.72 (69)	2.72 (69)	2.28 (58)	2.16 (55)	1.67 (42)	1.50 (38)	1.22 (31)
LBT3040	2.00 (51)	2.72 (69)	2.75 (70)	1.78 (45)	2.16 (55)	1.67 (42)	1.50 (38)	1.22 (31)
LBT3060	2.00 (51)	2.72 (69)	2.75 (70)	1.78 (45)	2.16 (55)	1.67 (42)	1.53 (39)	1.19 (30)
LBT3080	2.09 (53)	3.32 (84)	2.90 (74)	1.97 (50)	2.29 (58)	1.69 (42)	1.66 (42)	1.66 (42)
LBT3100	2.09 (53)	3.32 (84)	2.90 (74)	1.97 (50)	2.29 (58)	1.69 (42)	1.66 (42)	1.66 (42)
LBT4040	2.42 (61)	2.72 (69)	2.75 (70)	2.28 (58)	2.16 (55)	1.67 (42)	1.50 (38)	1.22 (31)

Ampere Rating	Short Circuit Withstand Rating and Fuse Class				
	With Line Side Fusing			With Load Side Fusing ^①	
	10 kA at 480V Max	18 kA at 480V Max	10 kA at 600V Max	5 kA at 480V Max	18 kA at 480V Max
25	H, K & RK5 (30A Max)	—	—	—	—
40, 4 Pole	H, K & RK5 (60A Max)	—	—	—	—
40, 3 Pole	H, K & RK5 (100A Max)	J, T & CC (100A Max)	H, K & RK5 (100A Max)	H, K & RK5 (30A Max)	Ferraz Shawmut A50P or lower let-through semiconductor fuses (60A Max)
60				—	—
80	H, K & RK5 (150A Max)	J, T & CC (100A Max)	H, K & RK5 (150A Max)	H, K & RK5 (60A Max)	Ferraz Shawmut A50P or lower let-through semiconductor fuses (100A Max)
100				—	—

① For use as supplemental protection on the load side of the branch circuit over current protective device.

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