

Non-Fusible Disconnect Switches

For a complete assembly, please select one of each:

- 1 switch
- 1 handle
- 1 shaft
- 1 terminal lug kit



BDNF400



BDS280



BDH116



BDTL26



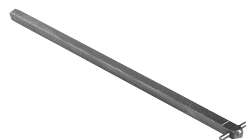
BDNF600A



BDNF800A



BDH112-117



BDS280



BDS_45

400 – 800 Amp switches, 600V

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating					Catalog number
		200V	208V	240V	480V	600V	
2 pole							
400	630	—	—	—	—	—	BDNF4002 BDNF600A2 BDNF800A2
600	800	—	—	—	—	—	
800	1250	—	—	—	—	—	
3 pole							
400	630	100	100	125	250	350	BDNF400 BDNF600A BDNF800A
600	800	150	150	200	400	500	
800	1250	200	200	250	500	600	
4 pole							
400	630	100	100	125	250	350	BDNF4004 BDNF600A4 BDNF800A4
600	800	150	150	200	400	500	
—	1250	200	200	250	500	600	

Pistol handles — for use with shafts □ .47 x .47" (□ 12 x 12 mm)

NEMA type	IEC type	Color	Length in/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1,3R,12	IP65	Blk	4.9/125	O/I & Off/On	Yes	Yes	0.39	BDH112
1,3R,12	IP65	R/Y	4.9/125	O/I & Off/On	Yes	Yes	0.39	BDH113
1,3R,12	IP65	Blk	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH114
1,3R,12	IP65	R/Y	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH115
1,3R,12	IP65	Blk	6.9/175	O/I & Off/On	Yes	Yes	0.41	BDH116
1,3R,12	IP65	R/Y	6.9/175	O/I & Off/On	Yes	Yes	0.41	BDH117
1,3R,4,4X,12	IP66	Blk	5.7/145	O/I & Off/On	Yes	Yes	0.39	CDHXB12
1,3R,4,4X,12	IP66	R/Y	5.7/145	O/I & Off/On	Yes	Yes	0.39	CDHXY12
1,3R,4,4X,12	IP66	Blk	6.9/175	O/I & Off/On	Yes	Yes	0.41	CDHXB22
1,3R,4,4X,12	IP66	R/Y	6.9/175	O/I & Off/On	Yes	Yes	0.41	CDHXY22
1,3R,4,4X,12	IP65	Metal	8.7/220	Off/On	—	Yes	1.50	BDH8

Shafts — for use with pistol handles □ .47 x .47" (□ 12 x 12 mm)

Shaft length inches/mm	Mounting depth ^① inches	Weight (lbs)	Catalog number
11.0/280	10.2 – 14.5	0.77	BDS280
12.8/325	12.0 – 16.3	0.90	BDS325
15.6/395	14.8 – 19.1	1.10	BDS395
18.3/465	17.5 – 21.9	1.32	BDS465
21.1/535	20.3 – 24.6	1.54	BDS535

Twisted shafts — Rotates handle 45° □ .47 x .47" (□ 12 x 12 mm)

Shaft length inches/mm	Mounting depth ^① inches	Weight (lbs)	Catalog number
11.0/280	10.2 – 14.5	0.77	BDS28045
12.8/325	12.0 – 16.3	0.90	BDS32545
18.3/465	17.5 – 21.9	1.32	BDS46545

① Mounting depth is the distance from the outside of the door to the disconnect switch mounting plate. Shaft can be cut to desired length.

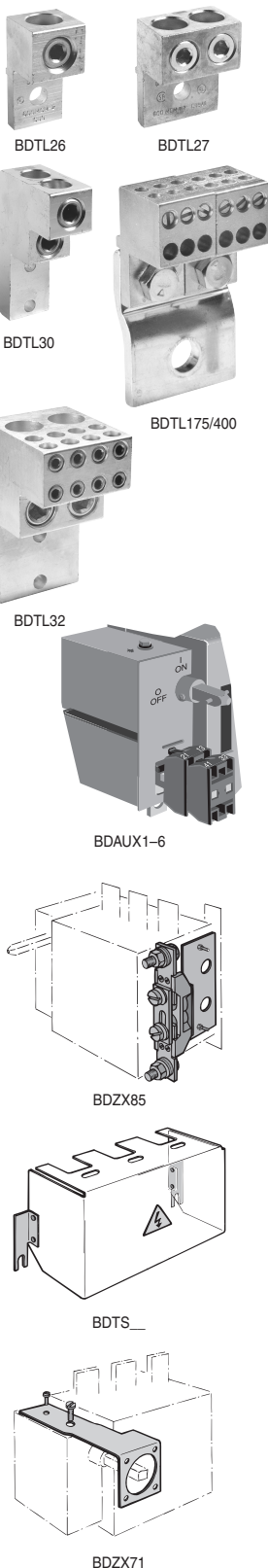
for 400A – 800A Non-Fusible Disconnect Switches

Fusible

Non-Fused

Enclosed Fused

Enclosed Non-Fused



Terminal lug kits

For use on:	Wire size	Kit weight (lbs.)	Wire type	Terminal lugs per kit	Kit catalog number
BDNF400	#2 – 600 kcmil	3.50	Cu/Al	6	BDTL26
BDNF400	(2) #2 – 500 kcmil	4.62	Cu/Al	6	BDTL262
BDNF600A	(2) #2 – 600 kcmil	4.62	Cu/Al	6	BDTL27
BDNF800A	(2) #2 – 600 kcmil	6.90	Cu/Al	6	BDTL30
BDNF800A ^①	(8) 2/0 + (2)#2 600 kcmil	6.90	Cu/Al	3	BDTL32
BDNF400 – BDNF600A ^①	(12) #14 – 6	1.10	Cu/Al	6	BDTL175/400

Auxiliary contacts^②

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. + 1 N.C.	BDNF400 – BDNF800A	0.20	10	600	BDAUX1
2 N.O. + 2 N.C.		0.26	10	600	BDAUX2
4 N.O. + 4 N.C.		0.40	10	600	BDAUX3
2 N.O.		0.18	10	600	BDAUX4
4 N.O.		0.25	10	600	BDAUX5
8 N.O.		0.40	10	600	BDAUX6

Terminal poles

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Detachable neutral mounts on side of switch or DIN rail	BDNF400 – BDNF600A	1.04	400	600	BDZX85

Terminal shrouds

Description	For use on:	Weight (lbs)		Catalog number
Includes one shroud for line or load side	BDNF400	0.62		BDTS4
	BDNF600A	0.66		BDTS6A
	BDNF800A	0.88		BDTS8A

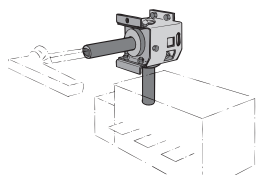
Handle support bracket

Description	For use on:	Weight (lbs)		Catalog number
Allows handle to be directly mounted to switch behind the door	BDNF400 – BDNF600A	0.51		BDZX73
	BDNF800A	0.88		BDZX71

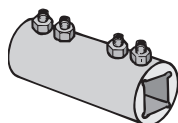
^① A load side distribution lug eliminates the need to purchase, install and wire a separate distribution block.

^② UL File E57057

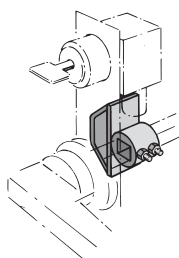
for 400A – 800A Non-Fusible Disconnect Switches



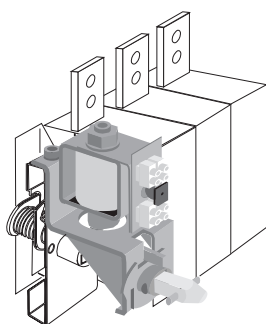
BDZX108



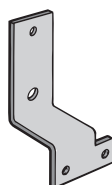
BDZW95



CDETL-ZW5



CDETL-ZT80_



CDETL-ZT100

90° angle kit

Description	For use on:	Weight (lbs)		Catalog number
Converts switch mechanism from front operation to side operation	BDNF400 BDNF600A BDNF800A	4.63		BDZX108

Shaft extension coupler

Description	For use on:	Weight (lbs)		Catalog number
Joins two shafts together for applications where extended length is required	12mm shafts	0.26		BDZW95

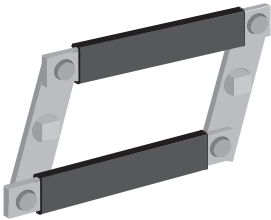
Locking accessories

Description	For use on:	Weight (lbs)		Catalog number
Cam attachment for Kirk Key, Castell, Lowe & Fletcher and Ronis interlock. For adapting to the interlock system The interlock is not included.	12mm shafts	0.29		CDETL-ZW5
Electrical interlock ① Closed circuit principle for interlocking the switch movement. When the coil circuit is dead, A-types cannot be operated to ON-position and L-types cannot be operated to ON- or OFF-position. Coil voltages 110VAC, 220VAC, 24VDC, 48VDC, 60 VDC, 110VDC, 220VDC, P = 15W U = 0.7 – 1.1 Un (U = coil voltage, Un = nominal voltage)	BDNF400 BDNF600A BDNF800A	2.42		CDETL-ZT80A/★ CDETL-ZT80L/★
Mounting bracket	BDNF400 BDNF600A	0.40		CDETL-ZT100

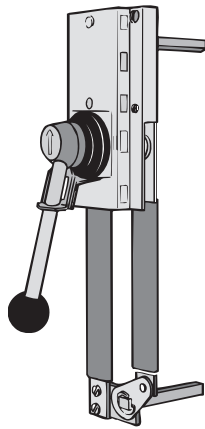
★ – Coil voltage

① CDETL-ZT100 mounting bracket required for BDNF400 & BDNF600A

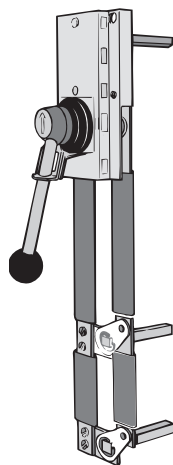
for 400A – 800A Non-Fusible Disconnect Switches



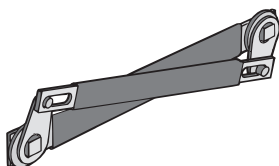
BDZW9



BDZW12



BDZW13



BDZW3, 14, 15

Conversion mechanisms

- Switches are not included

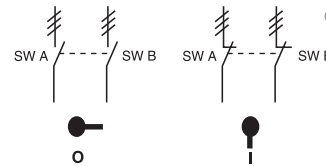
Description	For use on:	Weight (lbs)	Catalog number
6 or 8 pole Transfer Bypass	BDNF400 BDNF600A BDNF800A	2.42	BDZW9 BDZW12 BDZW13
		10.1	
		8.81	
Mechanical interlock	BDNF400 BDNF600A BDNF800A	1.26	BDZW3 BDZW14 BDZW15
		1.15	
		2.64	

6 or 8 pole — BDZW9

6 (8) pole mechanism allows two switches controlled by one handle to open or close simultaneously. One shaft included.

Equipment required for a complete installation:

- One conversion mechanism
- Two disconnect switches
- One handle
- One additional shaft (Only one shaft is included with mechanism).



	POS.O	POS.I
SW. A	O	X
SW. B	O	X

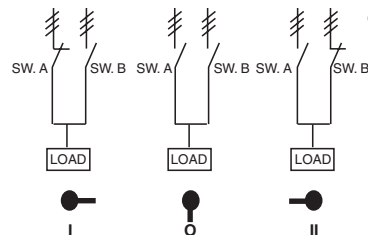
X = Closed
O = Open

Transfer — BDZW12

Transfer mechanism manually transfers between two power sources using two switches and a center OFF position. A 3 position handle is included.

Shafts included. Equipment required for a complete installation:

- One conversion mechanism
- Two disconnect switches



	POS. I	POS.O	POS.II
SW. A	X	O	O
SW. B	O	O	X

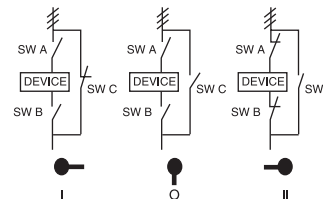
X = Closed
O = Open

Bypass — BDZW13

Bypass mechanism operates three switches: Two switches in series and one changeover switch to allow power bypass. A 3 position handle is included. (UL Type 1, 3R, 4, 4X, 12). Shafts included.

Equipment required for a complete installation:

- One conversion mechanism
- Three disconnect switches



	POS. I	POS.O	POS.II
SW. A	O	O	X
SW. B	O	O	X
SW. C	X	O	O

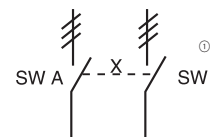
X = Closed
O = Open

Mechanical interlock — BDZW3, BDZW14, BDZW15

Mechanical interlock mechanism prevents both switches from being in the ON position at the same time.

Equipment required for a complete installation:

- One conversion mechanism
- Two disconnect switches
- Two shafts
- Two handles



	SW. A POS. I	SW. B POS. I
SW. A	X	O
SW. B	O	X

X = Closed
O = Open

① = Three poles

Non-Fusible Disconnect Switches

For a complete assembly
please select one of each:

- 1 switch
- 1 handle
- 1 shaft
- 1 terminal lug kit



BDNF1200



BDS280



BDH117



BDTL28

BDNF1600
BDNF2000
BDNF3150

BDH114



BDH115



BDH8



BDS325

1200 – 3150 Amp switches, 600V

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating	Catalog number
2 pole		The US National Electric Code does not specify HP ratings for switches this large. Please select a switch based on 115% of application FLA. For example: a motor with an FLA of 800A would require a 1200A switch: 800A x 115% = 920A, the closest higher rated switch is 1200A.	BDNF12002 BDNF16002 BDNF20002 BDNF31502
1200	1600		
1600	2500		
2000	2500		
—	3150		
3 pole			BDNF1200 BDNF1600 BDNF2000 BDNF3150
1200	1600		
1600	2500		
2000	2500		
—	3150		
4 pole			BDNF12004 BDNF16004 BDNF20004 BDNF31504
—	1600		
—	2500		
—	2500		
—	3150		

Pistol handles — for use with shaft □ .47 x .47" (□ 12 x 12mm)

NEMA type	IEC type	Color	Length mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
For use with BDNF1200								
1,3R,12	IP65	Black	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH114
1,3R,12	IP65	Red/Yellow	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH115
1,3R,12	IP65	Black	6.9/175	O/I & Off/On	Yes	Yes	0.41	BDH116
1,3R,12	IP65	Red/Yellow	6.9/175	O/I & Off/On	Yes	Yes	0.41	BDH117
1,3R,4,4X,12	IP66	Black	5.7/145	O/I & Off/On	Yes	Yes	0.39	CDHXB12
1,3R,4,4X,12	IP66	Red/Yellow	5.7/145	O/I & Off/On	Yes	Yes	0.39	CDHXY12
1,3R,4,4X,12	IP66	Black	6.9/175	O/I & Off/On	Yes	Yes	0.41	CDHXB22
1,3R,4,4X,12	IP65	Red/Yellow	6.9/175	O/I & Off/On	Yes	Yes	0.41	CDHXY22
For use with BDNF1600 – 3150								
1,3R,4,4X,12	IP65	Metal	8.7/220	Off/On	—	Yes	1.50	BDH8

Shafts — for use with pistol handles □ .47 x .47" (□ 12 x 12 mm)

Shaft length inches/mm	Mounting depth ^① inches	Weight (lbs)	Catalog number
For use with BDNF1200			
11.0/280	11.6 – 15.3	0.77	BDS280
12.8/325	13.7 – 17.1	0.90	BDS325
15.6/397	16.2 – 19.9	1.10	BDS395
18.3/465	18.9 – 22.6	1.32	BDS465
21.1/536	21.7 – 25.4	1.54	BDS535
For use with BDNF1600 – 3150			
12.8/325	13.7 – 17.1	0.90	BDS325
15.6/397	16.2 – 19.9	1.10	BDS395
18.3/465	18.9 – 22.6	1.32	BDS465
21.1/536	21.7 – 25.4	1.54	BDS535

① Mounting depth is the distance from the outside of the door to the disconnect switch mounting plate. Shaft can be cut to desired length.