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# 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

Fusible

Non-Fused

Enclosed Fused

Enclosed Non-Fused



BDNF1600  
BDNF2000  
BDNF3150



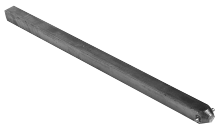
BDH114



BDH115



BDH8



BDS325

## 1200 – 3150 Amp switches, 600V

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating	Catalog number		
<b>2 pole</b>	1200	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		
	1600				
	2000				
	—				
<b>3 pole</b>	1200		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.	BDNF1200 BDNF1600 BDNF2000 BDNF3150	
	1600				
	2000				
	—				
<b>4 pole</b>	—			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.	BDNF12004 BDNF16004 BDNF20004 BDNF31504
	—				
	—				
	—				

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

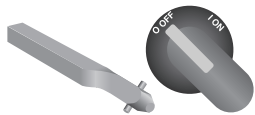
NEMA type	IEC type	Color	Length mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
<b>For use with BDNF1200</b>								
1,3R,12	IP65	Black	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH114
1,3R,12	IP65	Red/Yellow	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH115
1,3R,12	IP65	Black	6.9/175	O/I & Off/On	Yes	Yes	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
<b>For use with BDNF1600 – 3150</b>								
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 <sup>①</sup> in inches	Weight (lbs)	Catalog number
<b>For use with BDNF1200</b>			
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
<b>For use with BDNF1600 – 3150</b>			
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.

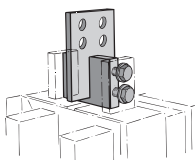
# for 1200A – 3150A Non-Fusible Disconnect Switches



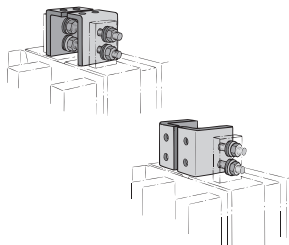
BDS\_45



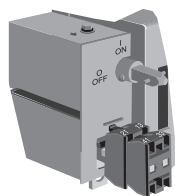
BDTL28  
BDTL28/2



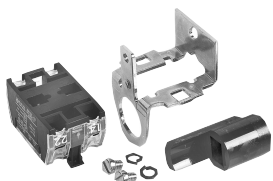
BDBUS115



BDBUS114



BDAUX1



BDAUX1

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

Shaft length inches/mm	Mounting depth <sup>①</sup> in inches	Weight (lbs)	Catalog number
<b>For use with BDNF1200</b>			
11.0/280	11.6 – 15.3	0.77	BDS28045
12.8/325	13.7 – 17.1	0.90	BDS32545
18.3/465	18.9 – 22.6	1.32	BDS46545
<b>For use with BDNF1600 – 3150</b>			
12.8/325	16.2 – 19.9	0.90	BDS32545
18.3/465	18.9 – 22.6	1.32	BDS46545

### Terminal lug kits

For use on:	Wire size	Kit weight (lbs.)	Wire type	Terminal lugs per kit	Kit catalog number
BDNF1200 & BDNF1600	(4) #2 – 600kcmil	10.44	Cu/Al	6	BDTL28
BDNF1200 & BDNF1600 <sup>②</sup>	(8) 2/0 + (2) #2 600kcmil	10.44	Cu/Al	3	BDTL32
BDNF2000 & BDNF3150	(8) #2 – 600kcmil	20.88	Cu/Al	12	BDTL28/2

BDTL32 Power distribution lugs eliminate the need to purchase a separate distribution block

### Busbar connections

Description	For use on:	Weight (lbs)	Catalog number
Vertical mounting <sup>③</sup>	BDNF1600 – BDNF3150	46.2	BDBUS115
Vertical, back or edgewise mounting		31.0	BDBUS114

### Auxiliary contacts<sup>④</sup>

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. + 1 N.C.	BDNF1200 – BDNF3150	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 shrouds

Description	For use on:	Weight (lbs)	Catalog number
Includes one shroud for line or load side	BDNF1200	1.20	BDTS12

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.  
 ② A load side distribution lug eliminates the need to purchase, install and wire a separate distribution block.  
 ③ Provided as standard with BDNF1600, BDNF2000 and BDNF3150.

Fusible

Non-Fused

Enclosed Fused

Enclosed Non-Fused



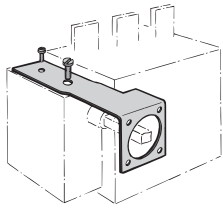
# for 1200A – 3150A Non-Fusible Disconnect Switches

Fusible

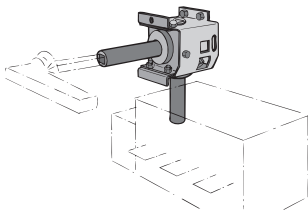
Non-Fused

Enclosed Fused

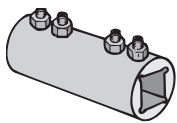
Enclosed Non-Fused



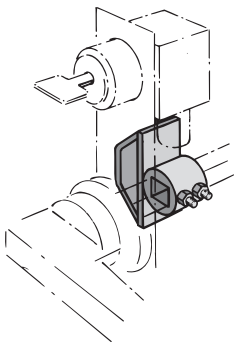
BDZX71



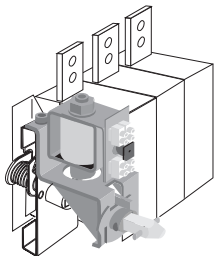
BDZX90



BDZW95



CDETL-ZW5



CDETL-ZT80

### Handle support bracket

Description	For use on:	Weight (lbs)	Catalog number
Allows handle to be directly mounted to switch behind the door	BDNF1200 – BDNF3150	0.88	BDZX71

### 90° angle kit

Description	For use on:	Weight (lbs)	Catalog number
Converts switch mechanism from front operation to side operation	BDNF1200 – BDNF3150	4.63	BDZX90

### 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

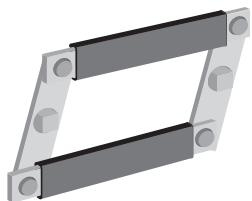
### Locking accessories

Description	For use on:	Weight (lbs)	Catalog number
<b>Cam attachment</b> 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
<b>Electrical interlock</b> 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)	BDNF1200 – BDNF3150	2.42	CDETL-ZT80A/★ CDETL-ZT80L/★

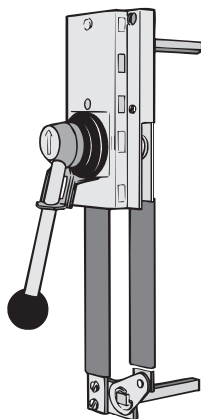


★ = Coil voltage

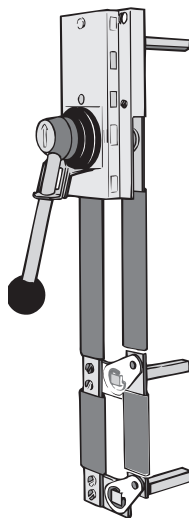
# for 1200A – 3150A Non-Fusible Disconnect Switches



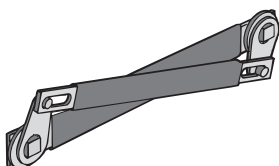
BDZW9



BDZW12



BDZW13



BDZW15

### Conversion mechanisms

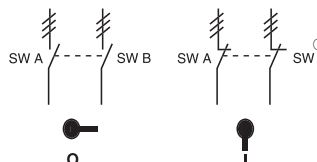
- Switches are not included

Description	For use on:	Weight (lbs)	Catalog number
6 or 8 pole Transfer Bypass	BDNF1200	2.42	BDZW9
		10.1	BDZW12
		8.81	BDZW13
Mechanical interlock	BDNF1200 – BDNF3150	2.64	BDZW15

### 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

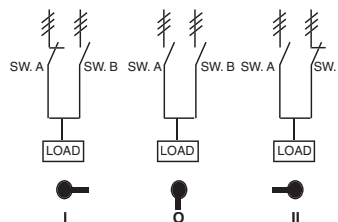
X = Closed  
O = Open

### 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

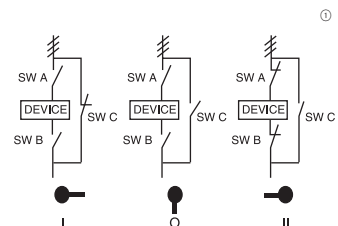
X = Closed  
O = Open

### 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. 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

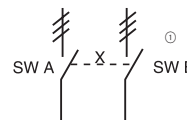
X = Closed  
O = Open

### Mechanical interlock —BDZW15

Mechanical interlock mechanism prevents both switches from being in the "ON" position at the same time. Handles are not included.

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