

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



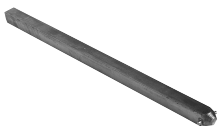
BDH114



BDH115



BDH8



BDS325

1200 – 3150 Amp switches, 600V

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating		Catalog number
		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.		
2 pole				
1200	1600			BDNF12002 BDNF16002 BDNF20002 BDNF31502
1600	2500			
2000	2500			
—	3150			
3 pole				
1200	1600			BDNF1200 BDNF1600 BDNF2000 BDNF3150
1600	2500			
2000	2500			
—	3150			
4 pole				
—	1600			BDNF12004 BDNF16004 BDNF20004 BDNF31504
—	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 [Ⓢ] in 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

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

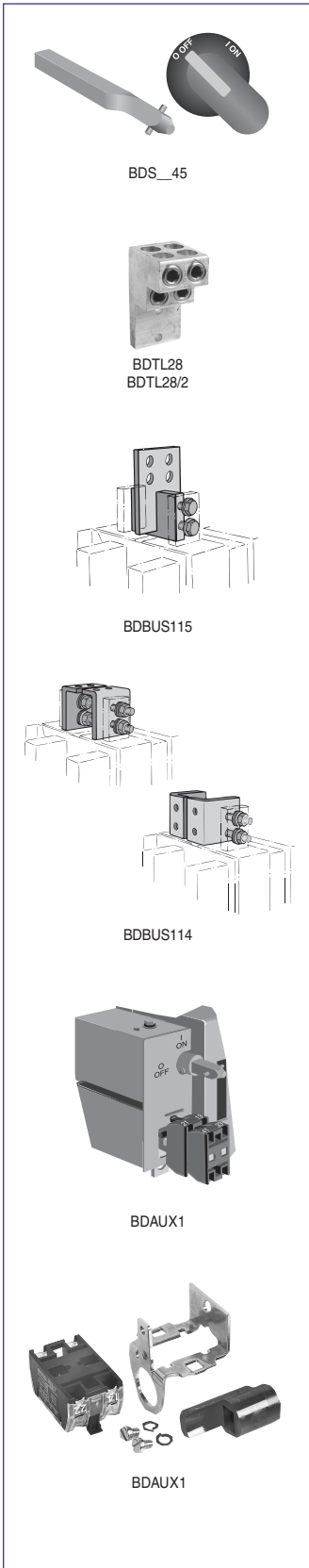
for 1200A – 3150A Non-Fusible Disconnect Switches

Fusible

Non-Fused

Enclosed Fused

Enclosed Non-Fused



Twisted shafts – Rotates handle 45° □ .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	BDS28045
12.8/325	13.7 – 17.1	0.90	BDS32545
18.3/465	18.9 – 22.6	1.32	BDS46545
For use with BDNF1600 – 3150			
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 ^②	(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 ^③	BDNF1600 – BDNF3150	46.2	BDBUS115
Vertical, back or edgewise mounting		31.0	BDBUS114

Auxiliary contacts^④

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.

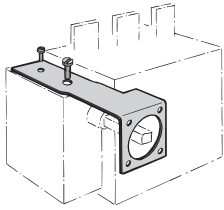
for 1200A – 3150A Non-Fusible Disconnect Switches

Fusible

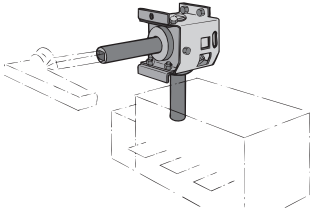
Non-Fused

Enclosed Fused

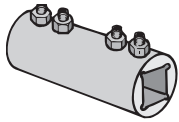
Enclosed Non-Fused



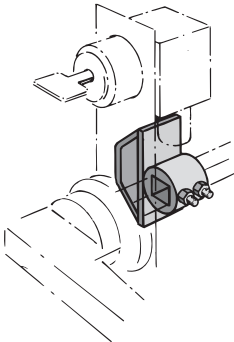
BDZX71



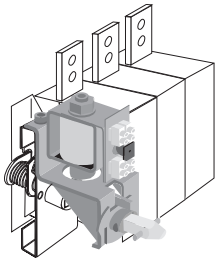
BDZX90



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

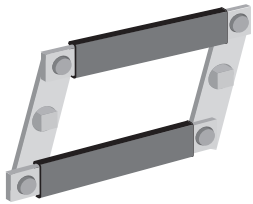
Locking accessories

Description	For use on:	Weight (lbs)	Catalog number
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 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/★

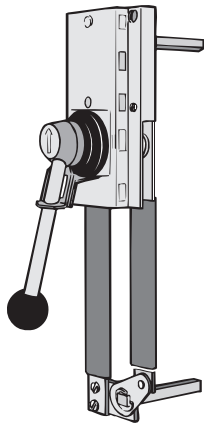


★ = Coil voltage

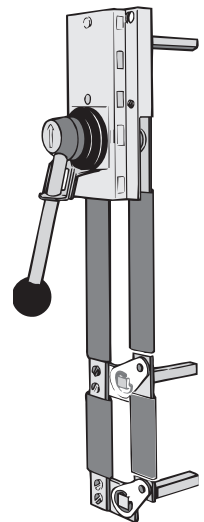
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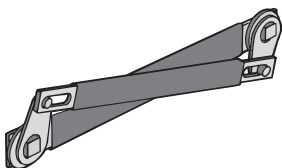
BDZW9



BDZW12



BDZW13



BDZW15

Conversion mechanisms

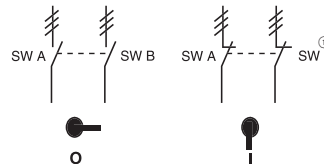
- Switches are not included

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

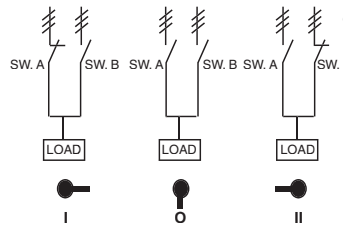
X = Closed
O = Open

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

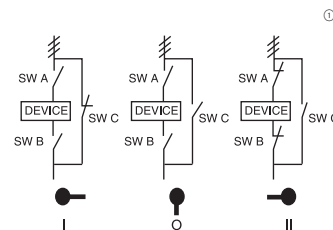
X = Closed
O = Open

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

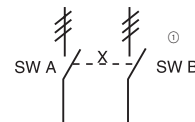
X = Closed
O = Open

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