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			
1200	1600		BDNF12002
1600	2500		BDNF16002
2000	2500		BDNF20002
–	3150	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.	BDNF31502
3 pole			
1200	1600		BDNF1200
1600	2500		BDNF1600
2000	2500		BDNF2000
–	3150		BDNF3150
4 pole			
—	1600		BDNF12004
—	2500		BDNF16004
—	2500		BDNF20004
—	3150		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
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] 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

[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.
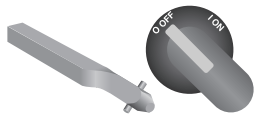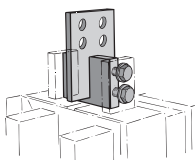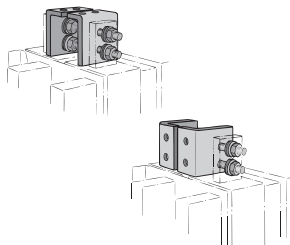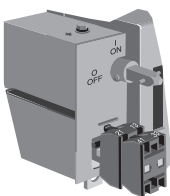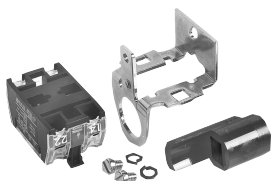
BDS__45

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[1] in 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 –	46.2		BDBUS115
Vertical, back or edgewise mounting	BDNF3150	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.		0.20	10	600	BDAUX1
2 N.O. + 2 N.C.		0.26	10	600	BDAUX2
4 N.O. + 4 N.C.	BDNF1200 –	0.40	10	600	BDAUX3
2 N.O.	BDNF3150	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.

BDZX71

BDZX90

BDZW95

CDETL-ZW5

CDETL-ZT80
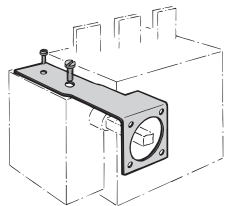
Handle support bracket

Description	For use on:	Weight (lbs)		Catalog number
Allows handle to be directly mounted to switch behind the door	BDNF1200 – BDNF3150	0.88		BDZX71
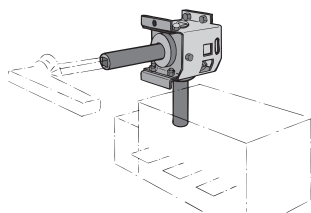
90° angle kit

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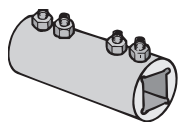
Shaft extension coupler

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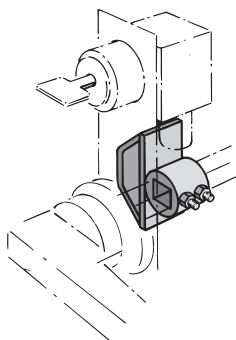
Locking accessories

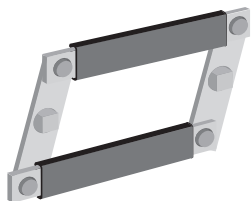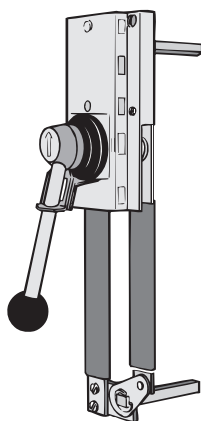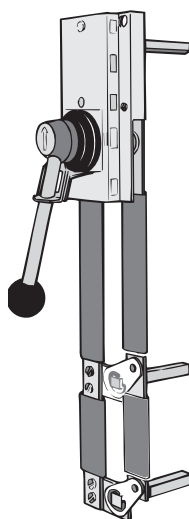| Description	For use on:	Weight (lbs)		Catalog number
Cam attachment for Kirk Key, Castell, Lowe & Fletcher and Ronis interlock. For adapting to the interlock system The interlock is not included.	12mm shafts	0.29		CDETL-ZW5
Electrical interlock Closed circuit principle for interlocking the switch movement. 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) A1 A2 + −	BDNF1200 – BDNF3150	2.42		CDETL-ZT80A/★ CDETL-ZT80L/★

★ = Coil voltage

52
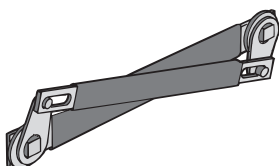
Conversion mechanisms
• **Switches are not included**

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

BDZW9

BDZW12

BDZW13

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 addtional shaft (Only one shaft is included with mechanism)
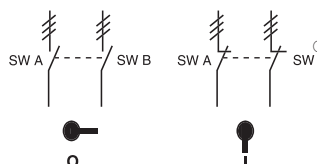
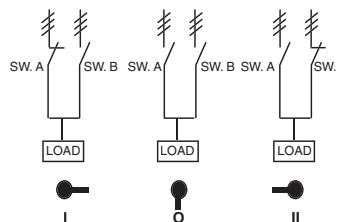|	POS. O	POS.I
SW. A	O	X
SW. B	O	X

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

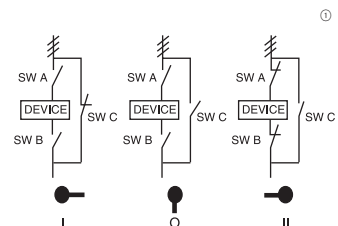|	POS. I	POS.O	POS.II
SW. A	X	O	O
SW. B	O	O	X

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

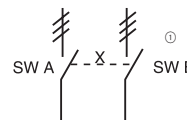|	POS. I	POS.O	POS.II
SW. A	O	O	X
SW. B	O	O	X
SW. C	X	O	O

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

Fusible

Non-Fused

Enclosed Fused

Enclosed Non-Fused