Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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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

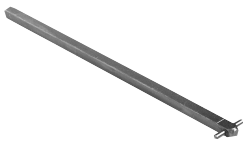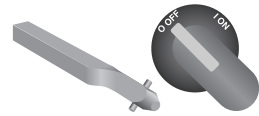BDNF400   +   BDS280   +   BDH116   +   BDTL26

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
600	800	—	—	—	—	—	BDNF600A2
800	1250	—	—	—	—	—	BDNF800A2
3 pole							
400	630	100	100	125	250	350	BDNF400
600	800	150	150	200	400	500	BDNF600A
800	1250	200	200	250	500	600	BDNF800A
4 pole							
400	630	100	100	125	250	350	BDNF4004
600	800	150	150	200	400	500	BDNF600A4
—	1250	200	200	250	500	600	BDNF800A4

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] in 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] in 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.
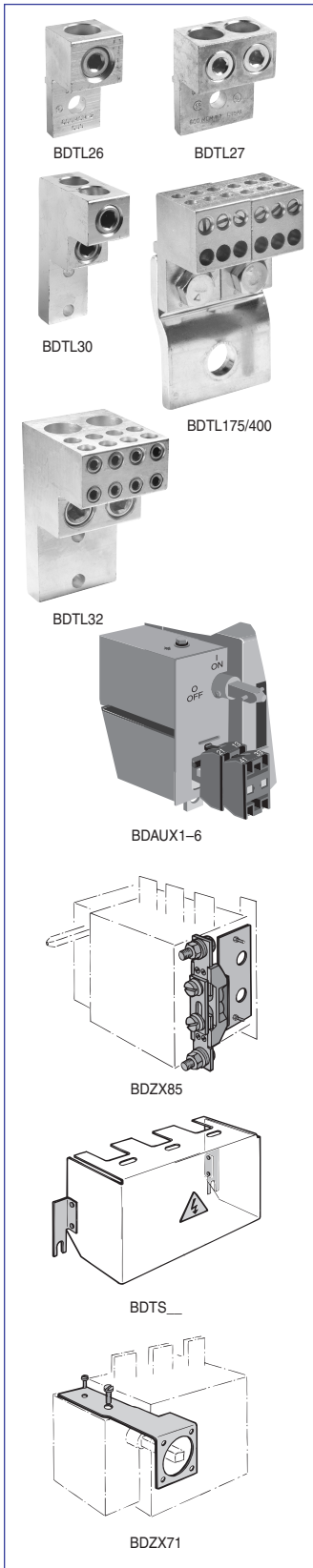
Terminal lug kits

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
BDNF800A①	(8) 2/0 + (2)#2 600 kcmil	6.90	Cu/Al	3	BDTL32
BDNF400 – BDNF600A①	(12) #14 – 6	1.10	Cu/Al	6	BDTL175/400

Auxiliary contacts②

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	BDNF400 –	0.40	10	600	BDAUX3
2 N.O.	BDNF800A	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

BDTL26
BDTL27
BDTL30
BDTL175/400
BDTL32
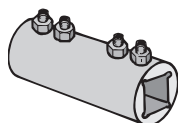BDAUX1–6
BDZX85
BDTS__
BDZX71

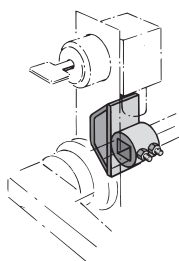Fusible
Non-Fused
Enclosed Fused
Enclosed Non-Fused

47
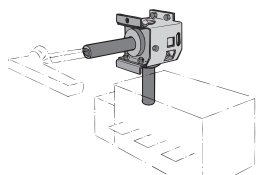
BDZX108

BDZW95

CDETL-ZW5
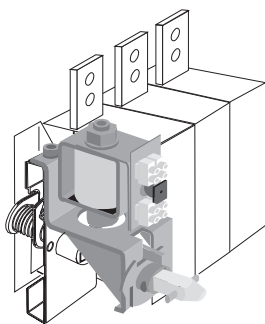
CDETL-ZT80_
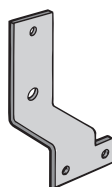
CDETL-ZT100

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

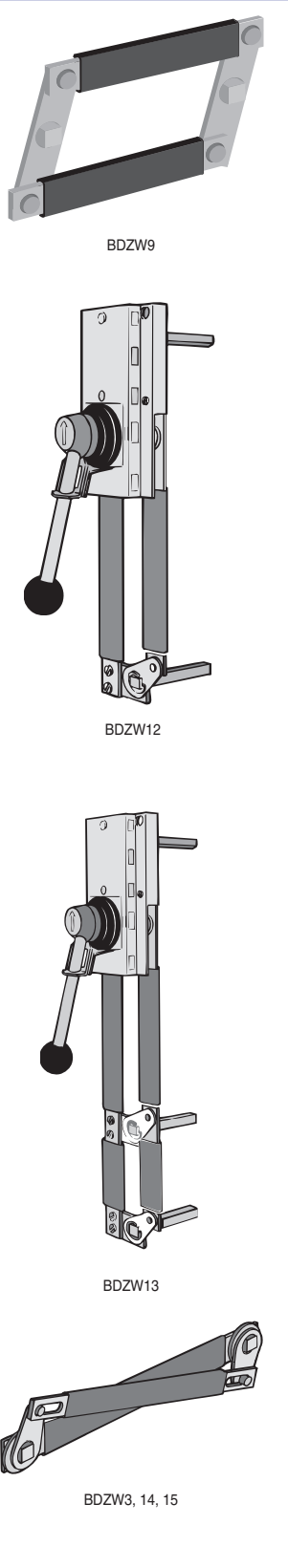| Description	For use on:	Weight (lbs)		Catalog number
Joins two shafts together for applications where extended length is required	12mm shafts	0.26		BDZW95

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) A1 + A2 –	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

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 10.1 8.81		BDZW9 BDZW12 BDZW13
Mechanical interlock		1.26 1.15 2.64		BDZW3 BDZW14 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).
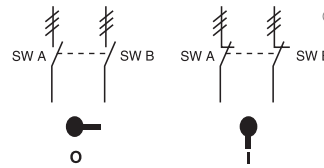
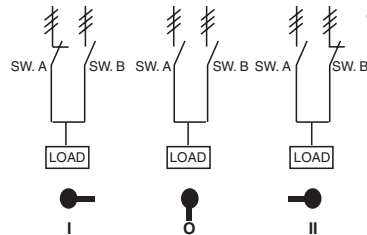|	POS.O	POS.I
SW. A	O	X
SW. B	O	X

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

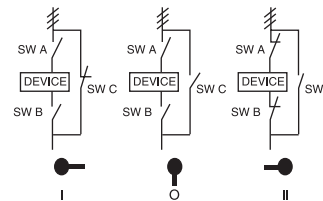|	POS. I	POS.O	POS.II
SW. A	X	O	O
SW. B	O	O	X

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. (UL Type 1, 3R, 4, 4X, 12). Shafts included. Equipment required for a complete installation:
- One conversion mechanism
- Three disconnect switches

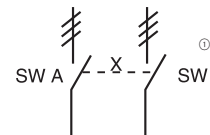|	POS. I	POS.O	POS.II
SW. A	O	O	X
SW. B	O	O	X
SW. C	X	O	O

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

Fusible

Non-Fused

Enclosed Fused

Enclosed Non-Fused