

Disconnect Switches

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Compact Circuit Protector (CCP) Class CC, Midget & 10x38

Up to 30A



Specifications

Description: The revolutionary Cooper Bussmann® CCP is 1/3 the footprint of a circuit breaker. The level of protection provided by the CCP is up to three times the Short-Circuit Current Rating (SCCR) at full voltage than a molded case circuit breaker while providing disconnecting means.

Ratings:

- Box Lug Connection:
 - 18-6AWG single or dual rated, solid or stranded – 75°C or higher - Cu only,
 - 4AWG single – 75°C or higher - Cu only
- Spade Terminal Connection:
 - Max 30A suitable for use with #8-32UNC screw
- Box Lug and Spade Terminal suitable for line, load or accessory connection
- Torque:
 - 18-10AWG 20 lb-in
 - 8-4AWG 35 lb-in
- Lock-out/tag-out:
 - 4mm shank lock or standard pin-out devices
- 35mm DIN Rail Mount
- Local indication minimum operating voltage:
 - 90Vac for AC version
 - 12Vdc for DC version

Agency Information:

- For Class CC fuse version
 - UL 98 Listed, File E302370, Guide WHTY
 - cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7
 - CE Compliant
- For UL Midget and 10X38 IEC fuse version
 - UL 508 Listed, File E161278, Guide 8R29
 - cULus Certified 22.2 No. 14-05
 - IEC 60947-3 AC23A
 - IEC 60947-3 DC23A
 - CE Compliant

Features and Benefits:

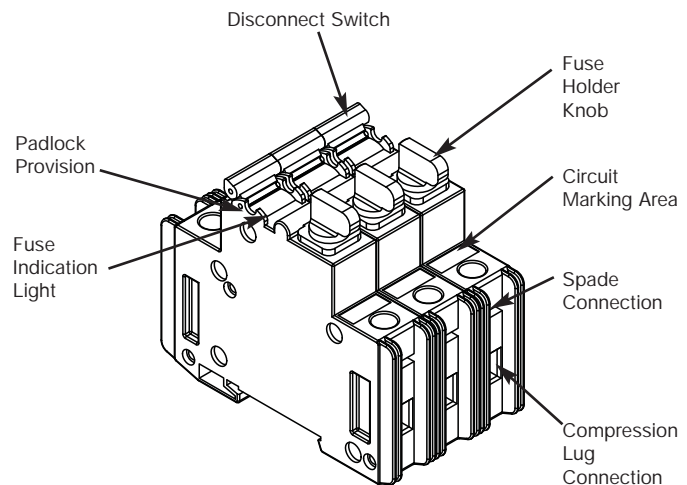
- Extremely compact design at 17.5mm wide per pole
- High Short-Circuit Current Ratings up to 200kA
- Disconnect Rated to provide means for load isolation
- Full Voltage Rated 600Vac or 80Vdc
- UL 98 disconnect rated for protection of branch circuits with Low-Peak® CUBEFuse and Class CC fuses.
- Suitable for Global Installations, the units Complies with UL, CSA, and IEC standards accepting UL Class CC, Class CF Low-Peak CUBEFuse with Class J performance, Midget or IEC aM and gG fuses
- Horsepower rated for protecting motor circuits with CUBEFuse and Class CC units.
- Open Fuse Indication
 - Local fuse indication lights* are standard
 - Optional wired remote open fuse indication can be utilized to signal a PLC and open a contactor to de-energize all phases, if required.
- IP20 finger-safe construction with 10AWG wire or larger
- Built-in switch interlock capability prohibits removing the fuse under load
- Padlockable handle for lock-out/tag-out procedures
- Available in 1-, 2- and 3-pole versions

*Circuit must be closed for indication light to illuminate

Environmental Data:

- RoHS Compliant: Yes
- Storage and Operating Temperature: -20°C to 75°C**
- CE Compliant: Yes

**For fuse performance under or above 25°C, consult fuse performance derating charts in the Cooper Bussmann publication titled Selecting Protective Devices (SPD) reorder #3002.



Data Sheet 1157 and the CCP Application Notes are available at www.cooperbussmann.com/ccp

Class CC & 10x38

Up to 30A

Technical Ratings

Catalog Number	Poles	Amp Rating	Voltage Rating	Fuse Type	Max. Fuse Ampacity	SCCR	Agency Approvals	Hp Ratings
CCP-1-30CC	1	30	600Vac	Class CC	30A	200kA	UL 98 Listed cULus 22.2 No. 4-04	0.5Hp@120V
CCP-2-30CC	2	30	600Vac	Class CC	30A	200kA	UL 98 Listed cULus 22.2 No. 4-04	2.0Hp@240V
CCP-3-30CC	3	30	600Vac	Class CC	30A	200kA	UL 98 Listed cULus 22.2 No. 4-04	3Hp@240V 5Hp@480V 7.5Hp@600V
CCP-1-30M	1	30	240Vac* UL	UL Midget	30A	10kA*	UL 508 Listed cULus 22.2 No. 14-05	—
			400Vac* IEC	10x38 IEC	32A aM, 25A gG	120kA*	IEC 60947-3 AC23A	
CCP-2-30M	2	30	240Vac* UL	UL Midget	30A	10kA*	UL 508 Listed cULus 22.2 No. 14-05	—
			400Vac* IEC	10x38 IEC	32A aM, 25A gG	120kA*	IEC 60947-3 AC23A	
CCP-3-30M	3	30	240Vac* UL	UL Midget	30A	10kA*	UL 508 Listed cULus 22.2 No. 14-05	—
			400Vac* IEC	10x38 IEC	32A aM, 25A gG	120kA*	IEC 60947-3 AC23A	
CCP-1-DCC	1	30	80Vdc*	Class CC (DC rated)	30A	20kA*	UL 98 Listed CSA 22.2 No. 4-04	—
CCP-1-DCM	1	30	80Vdc*	UL Midget	30A	10kA*	UL 508 Listed cULus 22.2 No. 14-05	—
				10x38 IEC	32A aM, 25A gG		IEC 60947-3 DC23A	

*Rating may be lower depending on installed fuse. Refer to fuse data sheet.



CCP-AUX



CCP-PLC-IND
(Includes spade terminals)

Accessories

Catalog Number	Description	Configuration	Signal Output	Minimum Circuit Voltage	Agency Approvals
CCP-AUX	Auxiliary Contacts NO+NC for Switch Status	1 per CCP	5A/240Vac	—	UL 98 Recognized and cURus 22.2 No. 4-04, IEC 60947-5-1 AC15
CCP-PLC-IND	Wired Remote Fuse Indication for PLC Applications	1 per CCP	24Vdc	100Vac	UL 98 Recognized and cURus 22.2 No. 4-04

Data Sheet 1157 and the CCP Application Notes are available at www.cooperbussmann.com/ccp

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa

Compact Circuit Protector (CCP) CUBEFuse®

Up to 100A



Specifications

Description: The revolutionary Cooper Bussmann® CCP is 1/3 the footprint of a circuit breaker. The level of protection provided by the CCP is up to three times the Short-Circuit Current Rating (SCCR) at full voltage than a molded case circuit breaker while providing disconnecting means.

Ratings:

- Box Lug Connection: 18-6 AWG single or dual rated, solid or stranded – 75°C or higher - Cu only, 4 AWG single – 75°C or higher - Cu only.
- Spade Terminal Connection: Max. 30A suitable for use with #8-32 UNC screw.
- Box Lug and Spade Terminal suitable for line, load or accessory connection.
- Torque 0-60A: 18-10 AWG 20 lb-In
8-4 AWG 35 lb-In.
- Torque 100A: 18-10 AWG Single 25 lb-In
8-2 AWG Single 35 lb-In
1 AWG Single 40 lb-In
6 AWG Dual 45 lb-In
- Lockout/tagout: 4mm shank lock or standard pin-out devices.
- 35mm DIN rail mount.
- Local indication minimum operating voltage: 90Vac/115Vdc.

Agency Information:

UL 98 Listed, File E302370, Guide WHTY
cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7
CE Compliant

Environmental Data:

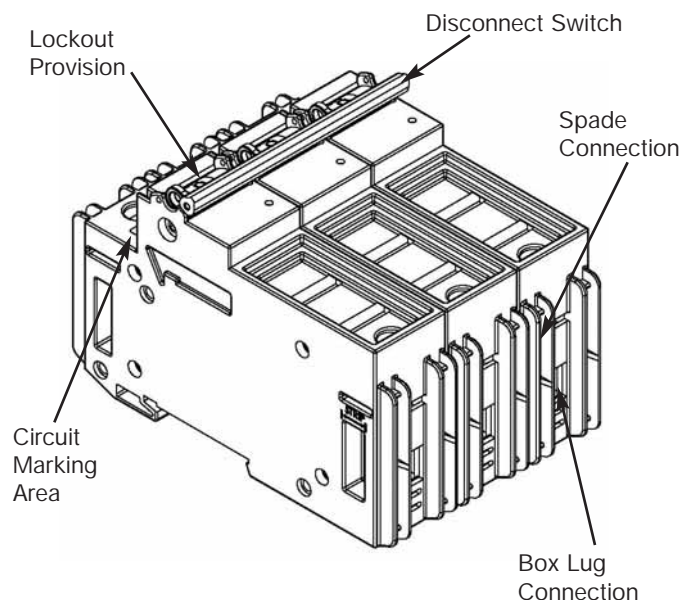
Storage and operating temperature: -20°C to 75°C**

**For fuse performance under or above 25°C, consult fuse performance derating charts in the Cooper Bussmann publication titled Selecting Protective Devices (SPD) reorder #3002.

Features and Benefits:

- Uses finger-safe Class CF Low-Peak® CUBEFuse® with Class J performance
- Extremely compact design at 25.4mm (1 inch) wide per pole
- High Short-Circuit Current Ratings at 200kA
- Disconnect rated to provide means for load isolation
- Full voltage rated at 600Vac
- UL 98 Listed and suitable for branch circuit disconnect and branch circuit protection
- 1-, 2- and 3-pole versions are horsepower rated
- Complies with UL and CSA
- Open Fuse Indication:
 - Local fuse indication lights* are standard
 - Optional wired remote open fuse indication can be utilized to signal a PLC and open a contactor to de-energize all phases, if required
- Additional open fuse indication can be provided by the CUBEFuse®
- IP20 finger-safe construction with 10 AWG wire or larger
- Built-in switch interlock capability prohibits removing the fuse under load
- Padlockable handle for lockout/tagout procedures

*Circuit must be closed for indication light to illuminate



Data Sheet 1157 and the CCP Application Notes are available at www.cooperbussmann.com/ccp

Compact Circuit Protector (CCP) CUBEFuse®

Up to 100A

Technical Ratings

Catalog Number	Poles	Amp Rating	Voltage Rating	Fuse Type	Max. Fuse Ampacity	SCCR	Agency Approvals	Hp Ratings
CCP-1-30CF	1	30	600Vac/ 125Vdc	Class CF CUBEFuse*	30A	200kA	UL 98 Listed cULus 22.2 No. 4-04	1.5Hp@120V
CCP-2-30CF	2	30	600Vac/ 125Vdc	Class CF CUBEFuse*	30A	200kA	UL 98 Listed cULus 22.2 No. 4-04	3.0Hp@240V
CCP-3-30CF	3	30	600Vac/ 125Vdc	Class CF CUBEFuse*	30A	200kA	UL 98 Listed cULus 22.2 No. 4-04	5Hp@240V 15Hp@480V 10Hp@600V
CCP-1-60CF	1	60	600Vac/ 125Vdc	Class CF CUBEFuse*	60A	200kA	UL 98 Listed cULus 22.2 No. 4-04	3.0Hp@120V
CCP-2-60CF	2	60	600Vac/ 125Vdc	Class CF CUBEFuse*	60A	200kA	UL 98 Listed cULus 22.2 No. 4-04	7.5Hp@240V
CCP-3-60CF	3	60	600Vac/ 125Vdc	Class CF CUBEFuse*	60A	200kA	UL 98 Listed cULus 22.2 No. 4-04	7.5Hp@240V 20Hp@480V 10Hp@600V
CCP-1-100CF	1	100	600Vac	Class CF CUBEFuse*	100A	200kA	UL 98 Listed cULus 22.2 No. 4-04	5Hp@120V
CCP-2-100CF	2	100	600Vac	Class CF CUBEFuse*	100A	200kA	UL 98 Listed cULus 22.2 No. 4-04	10Hp@240V
CCP-3-100CF	3	100	600Vac	Class CF CUBEFuse*	100A	200kA	UL 98 Listed cULus 22.2 No. 4-04	20Hp@240V 50Hp@480V 50Hp@600V

*Class J performance.

Fused, Dead Front Disconnect Switches

15149 Series

Specifications

Description: Fused, dead front disconnect switches

Ratings:

Volts: — 600Vac
Amps: — 0-30A
SCCR: — 200kA RMS Sym.

Dielectric SCCR: 2200V

Motor Rating: 5Hp

Poles: 2 to 3

Agency Information: UL Recognized, file E116716 for General Industrial installations. Guide WFXV2. CSA certified, file LR37129-6. Examined under the new proposed standard UL 1429 which imparts a stricter set of test conditions than the former program that combined the applicable portions for UL 512 (Fuse Holders) and UL 98 (Enclosed Switches).



Features and Benefits

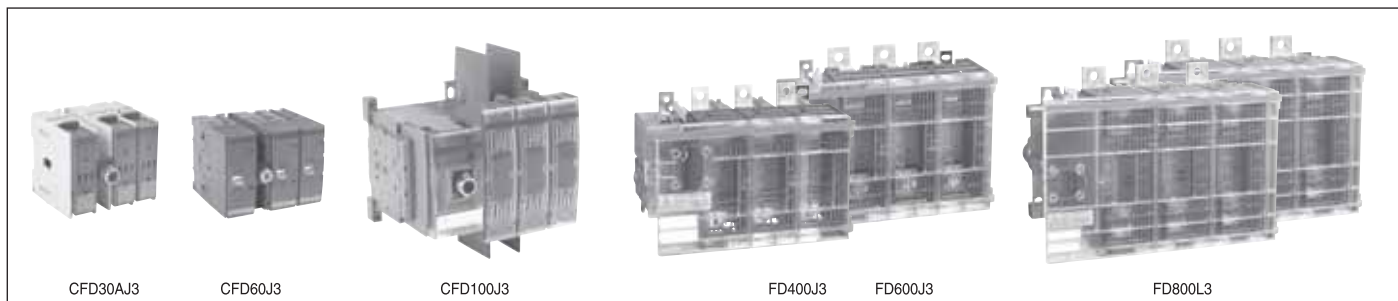
- Fuse holders in the pull-out head eliminate possibility of electric shock while changing fuse.
- Accepts Class J fuses

Ordering Information

To order, specify: 15149 + number of poles.
Example: 15149-2 = 2-pole device.

Overview for Fusible Disconnect Switches

CFD30CC3 – FD800L3



Catalog number	3 pole	CFD30ACC3	CFD30AJ3	CFD60J3	CFD100J3	CFD200J03	FD400J3	FD600J3	FD800L3
General purpose amp rating	A	30	30	60	100	200	400	600	800
Approvals[®]	2 pole 3 pole 4 pole	N/A UL98 & IEC UL98 & IEC	N/A UL98 & IEC UL98 & IEC	N/A UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC
Technical ratings (UL, cULus)									
Max operating voltage	V	600	600	600	600	600	600	600	600
Max horsepower rating									
Three phase									
200 – 208V	HP	5/7.5	5/7.5	15	25	50	100/125	150	200
240V	HP	7.5	7.5	15	30	60	125	200	250
480V	HP	15	15	30	60	125	250	400	500
600V	HP	20	20	50	75	150	350	500	600
Single phase									
120V	HP	2	2	—	—	—	—	—	—
240V	HP	3	3	—	—	—	—	—	—
UL fuse class		CC	J	J	J	J	J,T	J,T	L
Technical ratings (IEC)									
Rated insulation and operational voltage, AC20 and DC20 [®]		1000	1000	750	750	1000	1000	1000	1000
Rated thermal current, I _n									
AC 20/DC 20 open	A	32	32	63	125	200	400	630	800
AC 20/DC 20 enclosed	A	32	32	63	125	200	400	600	720
AC 21A 500V	A	32	32	63	125	200	400	630	800
690V	A	32	32	63	125	200	400	630	800
Rated operational power AC23									
400/415V	kW	14/15	14/15	30	80/90	110	210/230	315/340	350/380
690V	kW	25	25	60	132	200	330	540	600
Physical characteristics									
Weight	3 pole switch	lb	1.54	1.54	2.86	3.30	5.9	17.2	37.48
	4 pole	lb	1.98	1.98	3.52	3.96	7.5	19.4	46.3
Dimension	3 pole	H in	3.82	3.82	3.94	5.66	6.5	7.87	11.42
		W in	4.17	4.17	5.63	7.06	7.1	11.22	14.69
		D in	4.21	4.21	5.04	5.09	5.2	8.11	9.21
Accessories									
Double break contacts		S	S	S	S	S	S	S	S
Fuse cover		S	S	S	•	S	S	S	S
Terminal lug kit		Integral	Integral	Integral	BDTL24	CDTL200	BDTL26	BDTL27	BDTL27
Terminal shroud		Not required	Not required	Not required	•	•	•	•	•
Auxiliary contact		•	•	•	•	•	•	•	•
Handle UL/NEMA type									
Type 1, 3R, 12		•	•	•	•	•	•	•	•
Type 1, 3R, 4, 4X, 12		•	•	•	•	•	•	•	•
Conversion kit									
6 pole		•	•	•	•	•	•	•	•
Electrical interlock		—	—	—	—	•	•	•	•

S = Standard
• = Available

UL Listed, cULus approved, IEC rated, CE marked

30A Fusible Disconnect Switches Base & DIN Rail Mounted

UL Fuse Class J, CC

For a complete assembly,
please select one of each:

- 1 switch
- 1 handle
- 1 shaft



CFD30AJ3



BDS_



CDH3S



CFD30AJ3



CBDH3S, 5S



CBDH4S, 6S



BDS_

30 Amp switches, 600V

UL general purpose amp rating	UL Fuse type 600V	Maximum horsepower rating					Terminal lugs		Catalog number
		Three phase					Wire size	Wire type	
		200V	208V	240V	480V	600V			
3 pole									
30	J	5	7.5	7.5	15	20	#18 – 8	Cu	CFD30AJ3
30 [Ⓢ]	CC	5	7.5	7.5	15	20	#18 – 8	Cu	CFD30ACC3
4 pole									
30	J	5	7.5	7.5	15	20	#18 – 8	Cu	CFD30AJ4
30 [Ⓢ]	CC	5	7.5	7.5	15	20	#18 – 8	Cu	CFD30ACC4

Selector handles — for use with shafts .24 x .24" (6 x 6 mm)

NEMA type	IEC type	Color	Defeatable	Padlockable	Weight (lbs.)	Catalog number
All marked both O/I & Off/On						
1,3R,12	IP65	Black	—	Yes	0.16	CBDH3S
1,3R,12	IP65	Red/Yellow	—	Yes	0.16	CBDH4S
1,3R,12	IP65	Black	Yes	Yes	0.16	CBDH5S
1,3R,12	IP65	Red/Yellow	Yes	Yes	0.16	CBDH6S

Shafts — for use with CBDH selector handles .24 x .24" (6 x 6 mm)

Shaft length (inches/mm)	Mounting depth (inches)	Weight (lbs.)	Catalog number
3.3/85	5.5 – 5.7	0.04	BDS85S
4.1/105	5.5 – 6.5	0.04	BDS105S
4.7/120	5.5 – 7.1	0.05	BDS120S
5.1/130	5.5 – 7.5	0.05	BDS130S
7.1/180	6.3 – 9.4	0.08	BDS180S
9.8/250	9.1 – 12.2	0.10	BDS250S
13.0/330	12.2 – 15.4	0.14	BDS330S

[Ⓢ] Rejection style fuses only.

Handles & Shafts for 30A Fusible Disconnect Switches

For a complete assembly,
please select one of each:

- 1 switch
- 1 handle
- 1 shaft



CFD30AJ3



BDS_



BDH59



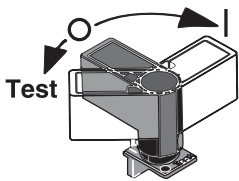
BDH56, BDH58



BDH57, BDH59



BDS_



BDHA79

Pistol handles — for use with shafts .24 x .24" (6 x 6 mm)

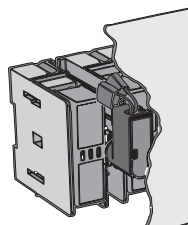
NEMA type	IEC type	Color	Marking	Length inches/mm	Defeatable	Padlockable	Weight (lbs.)	Catalog number
1,3R,12	IP65	Black	O/I & Off/On	1.8/45	Yes	Yes	0.28	BDH56
1,3R,12	IP65	Red/Yellow	O/I & Off/On	1.8/45	Yes	Yes	0.28	BDH57
1,3R,12	IP65	Black	O/I & Off/On	2.6/65	Yes	Yes	0.29	BDH58
1,3R,12	IP65	Red/Yellow	O/I & Off/On	2.6/65	Yes	Yes	0.29	BDH59
1,3R,4,4X,12	IP65	Black	O/I & Off/On	2.6/65	Yes	Yes	0.29	CDHXB65L6
1,3R,4,4X,12	IP65	Red/Yellow	O/I & Off/On	2.6/65	Yes	Yes	0.29	CDHXY65L6
1,3R,12	IP65	Black	Off/On/Test	2.6/65	Yes	Yes	0.29	BDH58T
1,3R,12	IP65	Red/Yellow	Off/On/Test	2.6/65	Yes	Yes	0.29	BDH59T

Shafts — for use with pistol handles .24 x .24" (6 x 6 mm)

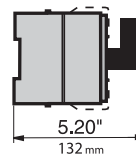
Shaft length (inches/mm)	Mounting depth (in inches)	Weight (lbs.)	Catalog number
5.9/150	4.9 – 8.9	0.07	BDS150
6.7/170	5.9 – 9.7	0.08	BDS170
10.4/265	9.5 – 13.4	0.12	BDS265
15.8/400	15.0 – 18.7	0.18	BDS400
19.7/500	20.5 – 22.6	0.23	BDS500

Direct mount handle — mounts directly to switch, no shaft necessary

NEMA type	Color	Marking	Length mm	Padlockable	Weight (lbs.)	Catalog number
1	Blk	O/I/Test	50	Yes	0.10	BDHA79



BDHA79 Mounted

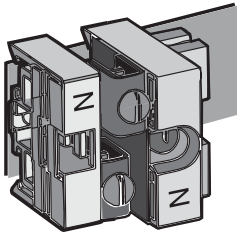


5.20"/132mm
BDHA79 Mounted depth

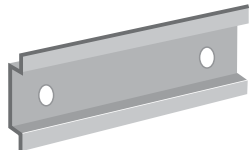
Accessories for 30A Fusible Disconnect Switches



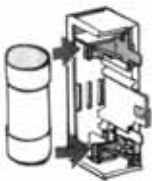
CFD30AJ3 with auxiliaries



CFDZX171



NDNA100



BDZD48



CXBY67121

Auxiliary contacts[®]

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Form C 1 N.O. & 1 N.C. (2 maximum)	CFD30_ for direct mounting to switch	0.04	6	250	BDAUX157
1 N.O. 1 N.C. (6 maximum)	CFD30_ CDAUXB mounting base required	0.03	NEMA A600,P600		CDAUX10 CDAUX01K

Mounting base

Description	For use with:	Weight (lbs)		Catalog number
Mounting base	CDAUX10, CDAUX01K	0.08		CDAUXB

Terminal pole

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	CFD30_	0.45	30	600	CFDZX171

DIN rail

Description	For use on:	Weight (lbs.)	Length inches/mm	Catalog number
35mm DIN Rail	CFD30_	.38	39.4/1000	NDNA100
35mm Aluminum DIN Rail	CFD30_	.75	78.8/2000	NDNA200

Fuse Carriers (Replacement Parts)

Description	For use on:		Catalog number
CC fuse carrier	BDCF30CC_		BDZD48
J fuse carrier	BDCF30J_		BDZD28
Class CC Solid link	CFD30_		NNB-R

Terminal cover (replacement part)

Description	For use on:		Catalog number
Covers terminal below fuse carrier	CFD30_		CDBY67121

® UL File # E83510

60A – 100A for Fusible Disconnect Switches

For a complete assembly,
please select one of each:

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



CFD60J3



BDS210



BDH58

60 – 100 Amp switches, 600V

UL general purpose amp rating	UL Fuse type 600V	Maximum horsepower rating					Catalog number
		Three phase					
		200V	208V	240V	480V	600V	
3 pole							3 pole
60	J	15	15	15	30	50	CFD60J3
100	J	25	25	30	60	75	CFD100J3
4 pole							4 pole
60	J	15	15	15	30	50	CFD60J4
100	J	25	25	30	60	75	CFD100J4

Pistol handles — $\square .24 \times .24"$ ($\square 6 \times 6\text{mm}$)

NEMA/UL type	IEC type	Color	Length in/mm	Marking	Defeatable	Padlockable	Weight (lbs.)	Catalog number
1,3R,12	IP65	Black	2.6/65	O/I & Off/On	Yes	Yes	0.29	BDH58
1,3R,12	IP65	Red/Yel	2.6/65	O/I & Off/On	Yes	Yes	0.29	BDH59
1,3R,12	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH60
1,3R,12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH61
1,3R,4,4X,12	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXB86
1,3R,4,4X,12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXY86

Shafts — $\square .24 \times .24"$ ($\square 6 \times 6\text{mm}$)

Shaft length (inches/mm)	Mounting depth (inches)	Weight (lbs.)	Catalog number
5.9/150	5.5 – 8.5	0.09	BDS150
8.3/210	8.0 – 11.0	0.13	BDS210
11.4/290	11.0 – 14.0	0.18	BDS290
14.2/360	13.8 – 16.8	0.23	BDS360
16.9/430	16.5 – 19.7	0.27	BDS430

Twisted shafts — Rotates handle 45° $\square .24 \times .24"$ ($\square 6 \times 6\text{mm}$)

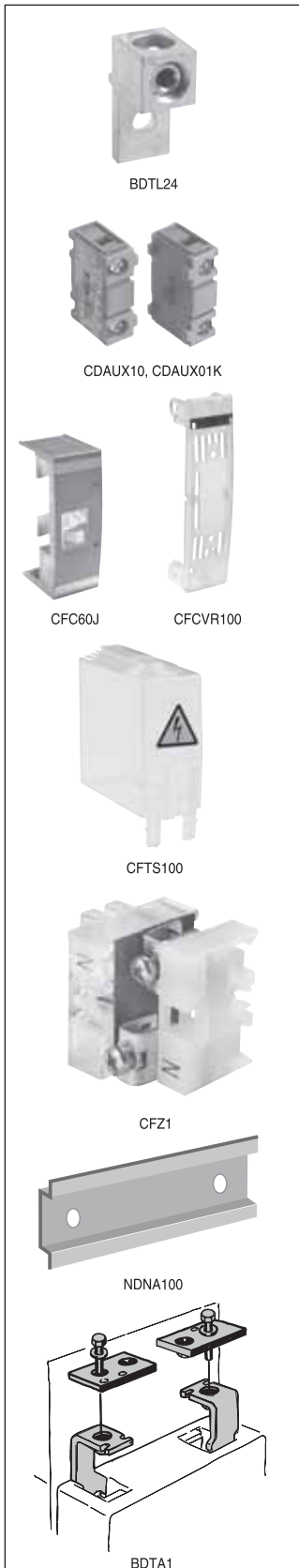
Shaft length (inches/mm)	Mounting depth (inches)	Weight (lbs.)	Catalog number
5.1/130	4.8 – 7.8	0.08	BDST4
8.3/210	8.0 – 11.0	0.13	BDST25
11.4/290	11.0 – 14.0	0.18	BDST29
14.2/360	13.8 – 16.8	0.23	BDST30

Direct mount handle — mounts directly to switch, no shaft necessary

NEMA type	Color	Marking	Length mm	Padlockable	Weight (lbs.)	Catalog number
1	Black	O/I/Test	50	Yes	0.10	CDH4



Accessories for 60A – 100A Fusible Disconnect Switches



Terminal lug kit

For use on:	Wire size	Kit weight (lbs)	Wire type	Terminal lugs per kit	Catalog number
CFD60J_	#14 – 4	—	Cu	—	Integral
CFD100J_	#14 – 2/0	0.43	Cu/Al	6	BDTL24

Auxiliary contacts

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. 1 N.C.	CFD60 – CFD100	0.07 0.07	10 10	600 600	CDAUX10 CDAUX01K

Replacement fuse clip

Description	For use on:	Catalog number
Removable fuse carrier	CFD60	CFC60J

Replacement fuse covers

Description	For use on:	Catalog number
Transparent fuse cover	CFD100	CFCVR100

Terminal shroud

Description	For use on:	Weight (lbs)	Catalog number
Includes one terminal shroud for line or load side	CFD100, 1-POLE	0.04	CFTS100

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	CFD60	0.13	63	600	CFZ1
	CFD100	0.31	125	600	CFZ2

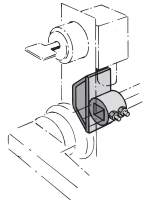
DIN rail

Description	For use on:	Weight (lbs.)	Length inches/mm	Catalog number
35mm Aluminum DIN Rail	CFD60	.38	39.4/1000	NDNA100
35mm Aluminum DIN Rail	CFD60	.75	78.8/1000	NDNA200

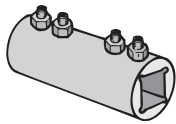
“T” type fuse adapter kit

Description	For use on:	Catalog number
100A, 600V	CFD100	BDA1

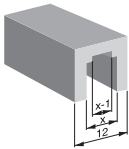
Accessories for 60A – 100A Fusible Disconnect Switches



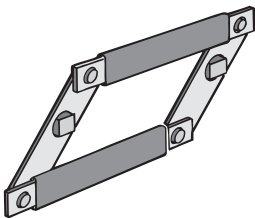
CDETL-ZW16



BDZX167
BDZW95



CDZK19
(X=6MM)



BDZW2

Locking accessories

Description	For use on:	Weight (lbs)	Catalog number
Cam attachment for Kirk Key, Castell, Lowe & Fletcher and Ronis interlock. Cam attachment for adapting to the interlock system. The interlock is not included.	CFD60 – CFD100	0.25	CDETL-ZW16

Shaft extension coupler

Description	For use on:	Weight (lbs)	Catalog number
Joins two shafts together for applications where extended length is required	6mm shafts	0.26	BDZX167 BDZW95
	12mm shafts	0.26	

Shaft adapter

Description	For use on:	Weight (lbs)	Catalog number
Adapts one end of a 6mm shaft to 12mm. Use with shaft extension coupler	6mm shafts	0.20	CDZK19

Conversion mechanisms

- Switches are not included

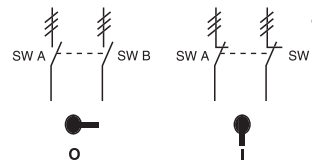
Description	For use on:	Weight (lbs)	Catalog number
6 and 8 pole	CFD60 – CFD100	1.52	BDZW2
Mechanical interlock	CFD60 – CFD100	0.55	BDZW10

6 or 8 pole — BDZW2

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

Equipment required for a complete installation:

- One conversion mechanism
- Two disconnect switches
- One handle



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

X = Closed
O = Open

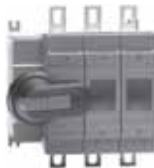
① ≡ Three poles

200A Fusible Disconnect Switches

UL Fuse Class J

For a complete assembly, please select one of each:

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



CFD200J03



BDS210



BDH58



CDTL200



BDH58,60



BDH58,61



BDS_



BDST_

200 Amp Switches, 600V

UL general purpose amp rating	UL fuse type 600V	Maximum horsepower rating					Catalog number
		Three phase					
		200V	208V	240V	480V	600V	
3 pole							
200	J	50	50	60	125	150	CFD200J03
4 pole							
200	J	50	50	60	125	150	CFD200J04

Pistol handles - $\square .24 \times .24''$ ($\square 6 \times 6\text{mm}$)

UL/NEMA type	IEC type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1,3R,12	IP65	Black	2.6/65	O/I & Off/On	Yes	Yes	0.29	BDH58
1,3R,12	IP65	Red/Yel	2.6/65	O/I & Off/On	Yes	Yes	0.29	BDH59
1,3R,12	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH60
1,3R,12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH61
1,3R,4,4X,1	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXB86
1,3R,4,4X,12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXY86

Shafts - $\square .24 \times .24''$ ($\square 6 \times 6\text{mm}$)

Shaft length (inches/mm)	Mounting dept (inches)	Weight (lbs)	Catalog number
5.9/150	5.5-8.5	0.09	BDS150
8.3/210	8.0-11.0	0.13	BDS210
11.4/290	11.0-14.0	0.18	BDS290
14.2/360	13.8-16.8	0.23	BDS360
16.9/430	16.5-19.7	0.27	BDS430

Twisted shafts - rotates handle 45° $\square .24 \times .24''$ ($\square 6 \times 6\text{mm}$)

Shaft length (inches/mm)	Mounting dept (inches)	Weight (lbs)	Catalog number
5.1/130	4.8-7.8	0.08	BDST4
8.3/210	8.0-11.0	0.13	BDST25
11.4/290	11.0-14.0	0.18	BDST29
14.2/360	13.8-16.8	0.23	BDST30

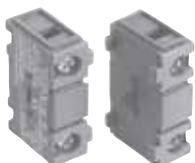
Direct mount handle - mounts directly to switch, no shaft necessary

Nema Type	Color	Marking	Padlockable	(lbs)	Catalog number
1	Black	O/I	Yes	0.1	CDHSB20
1	Red/Yel	O/I	Yes	0.3	CDHSY20

Accessories for 200A Fusible Disconnect Switches



CDTL200



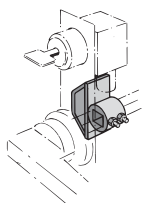
CDAUX10, CDAUX01K



CDSS200S3



CDSS200L3



CDETL-ZW16

Terminal Lug Kits

For use on:	Wire Size	Wire Type	Description	Terminal lugs per kit	Weight (lbs)	Catalog number
CFD200J03	#4-300kcmil		---	6	0.5	CDTL200
CFD200J04	#4-300kcmil (6) 14-6 AWG	Cu/Al	Distribution lug	3	0.25	CDTL200/3P CDTL206

Auxiliary Contacts

Description	For use on:	Weight (lbs)	Catalog number
1 N.O. 1 N.C.	CFD200J03, CFD200J04	0.07 0.07	CDAUX10 CDAUX01K

Module for auxiliary contacts

Description	Weight (lbs)	Catalog number
Screw mounting to the left side of the switch	0.1	CDAUXM28

Mounting on the left side of the switch: Max. 8 auxiliary contact blocks with the CDAUXM28
Mounting under the mechanism cover: Max. 4 auxiliary contact blocks

Replacement parts

Description	For use on:	Catalog number
Fuse cover Phase barrier	CFD200J03 and CFD200J04	CFCVR200 CPBR200

Terminal

For use on:	Description	Number of poles	Weight (lbs)	Catalog number
CFD200J03 and CFD200J04	Long type	3	0.2	CDSS200L3
	Short type	3	0.13	CDSS200S3
	Long type	4	0.26	CDSS200L4
	Short type	4	0.18	CDSS200S4

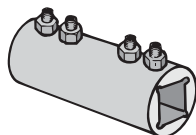
Terminal poles

Description	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Detachable neutral mounts on side of switch or DIN	0.88	200	600	CDD200P

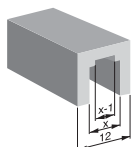
Locking accessories

Description	Weight (lbs)	Catalog number
Cam attachment for Kirk Key, Castell, Lowe & Fletcher and Ronis interlock. Cam attachment for adapting to the interlock system. The interlock is not included.	0.25	CDETL-ZW16

Accessories for 200A Fusible Disconnect Switches



BDZX167, BDZW95



CDZK19
(X=6mm)



BDZW2

Shaft extension coupler

Description	For use on:	Weight (lbs)	Catalog number
Joins two shafts together for applications where extended length is required	6mm shafts 12mm shafts	0.26	BDZX167 BDZX95

Shaft adapter

Description	For use on:	Catalog number
Adapts one end of a 6mm shaft to 12mm. Use with shaft extension coupler.	6mm shafts	CDZK19

Conversion mechanisms

Description	Weight (lbs)	UL/NEMA type	Catalog number
6 and 8 pole	1.52	-----	BDZW2

400A – 800A Fusible Disconnect Switches

UL Fuse Class J, T, L

For a complete assembly,
please select one of each:

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



FD400J3



BDS280



BDH114



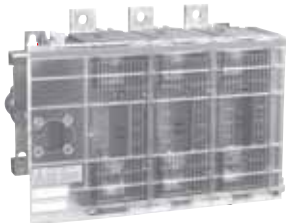
BDTL26

400 – 800 Amp switches, 600V

UL general purpose amp rating	UL Fuse type 600V	Maximum horsepower rating					Catalog number
		Three phase					
		200V	208V	240V	480V	600V	
2 pole							2 pole
400	J [Ⓟ]	—	—	—	—	—	FD400J2
600	J [Ⓟ]	—	—	—	—	—	FD600J2
800	L	—	—	—	—	—	FD800L2
3 pole							3 pole
400	J [Ⓟ]	100	125	125	250	350	FD400J3
600	J [Ⓟ]	150	150	200	400	500	FD600J3
800	L	200	200	250	500	600	FD800L3
4 pole							4 pole
400	J [Ⓟ]	100	125	125	250	350	FD400J4
600	J [Ⓟ]	150	150	200	400	500	FD600J4
800	L	200	200	250	500	600	FD800L4



FD400J3



FD600J3
FD800L3



BDH112



BDH113

Pistol handles — □ .47 x .47" (□ 12 x 12mm)


NEMA type	IEC type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1,3R,12	IP65	Black	4.9/125	O/I & Off/On	Yes	Yes	0.39	BDH112
1,3R,12	IP65	Red/Yel	4.9/125	O/I & Off/On	Yes	Yes	0.39	BDH113
1,3R,12	IP65	Black	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH114
1,3R,12	IP65	Red/Yel	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/Yel	6.9/175	O/I & Off/On	Yes	Yes	0.41	BDH117
1,3R,4,4X,12	IP65	Black	5.7/145	O/I & Off/On	Yes	Yes	0.39	CDHXB12
1,3R,4,4X,12	IP65	Red/Yel	5.7/145	O/I & Off/On	Yes	Yes	0.39	CDHXY12
1,3R,4,4X,12	IP65	Black	6.9/175	O/I & Off/On	Yes	Yes	0.41	CDHXB22
1,3R,4,4X,12	IP65	Red/Yel	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

[Ⓟ] J type fuse clips are standard. If 600V Type "T" fuse clips are desired, please order a "T" type fuse adapter kit.


Accessories for 400A – 800A Fusible Disconnect Switches



Shafts — □ .47 x .47" (□ 12 x 12mm)

Shaft length	 Mounting depth ^① in inches	Weight	Catalog
For use on FD400J_			
8.7/220	7.9 – 12.2	0.61	BDS220
9.8/250	9.1 – 13.4	0.70	BDS250
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
For use on FD600J_ – FD800J_			
9.8/250	10.0 – 12.8	0.70	BDS250
11.0/280	11.2 – 14.0	0.77	BDS280
12.8/325	13.0 – 15.8	0.90	BDS325
15.6/395	15.8 – 18.6	1.10	BDS395
18.3/465	18.5 – 21.3	1.32	BDS465
21.1/535	21.1 – 24.1	1.54	BDS535

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

Shaft length (inches/mm)	 Mounting depth (inches)	Weight (lbs.)	Catalog number
For use on FD400J_			
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
For use on FD600J_ – FD800J_			
11.0/280	11.2 – 14.0	0.77	BDS28045
12.8/325	13.0 – 15.8	0.90	BDS32545
18.3/465	18.5 – 21.3	1.32	BDS46545

Terminal lug kit

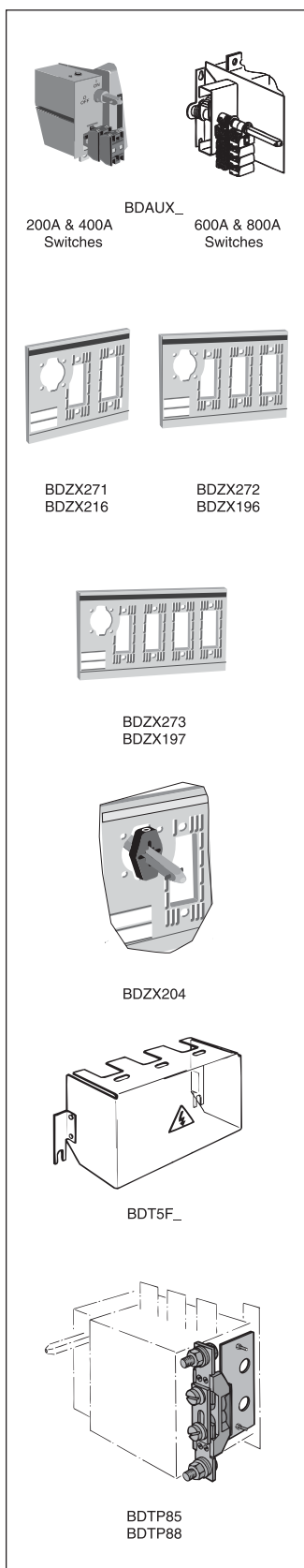
For use on:	Wire size	Kit weight (lbs)	Wire type	Terminal lugs per kit	Catalog number
FD400J_	#2 – 600 kcmil	3.50	Cu/Al	6	BDTL26
FD600J – FD800L	(12)#14-6	1.10	Cu/Al	3	BDTL175/400
FD600J_ & FD800L_	(2)#2 – 600 kcmil	4.62	Cu/Al	6	BDTL27

“T” type fuse adapter kit

For use on:	AC thermal amp rating	AC rated voltage	Poles	Catalog number
FD400J_	400	600	3	BDA4
FD600J_	600	600	3	BDA6

^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.

Accessories for 400A – 800A Fusible Disconnect Switches



Auxiliary contacts[®]

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. + 1 N.C.	FD400 – FD800	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

Fuse covers (replacement part)

Description	For use on:	Weight (lbs)	Catalog number
2 pole	FD400	0.30	BDZX271
3 pole		0.40	BDZX272
4 pole		0.53	BDZX273
2 pole	FD600 – FD800	0.40	BDZX216
3 pole		0.50	BDZX196
4 pole		0.67	BDZX197

Fuse cover interlock

Description	For use on:	Catalog number
Prevents the fuse cover from being opened when the switch is in the ON position	FD400- FD800	BDZX204

Terminal shroud

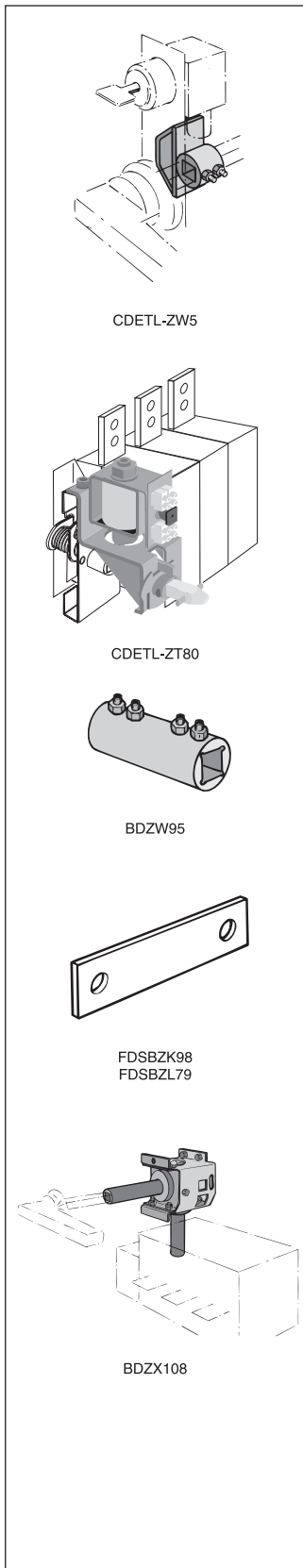
Description	For use on:	Weight (lbs)	Catalog number
Includes one terminal shroud for line or load side	FD400	0.13	BDTSF4
	FD600 – FD800	0.11	BDTSF6

Terminal pole

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	FD400	1.04	400	600	BDTP85
	FD600 – FD800	1.19	800	600	BDTP88

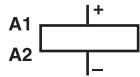
① UL file #E57057

Accessories for 400A – 800A Fusible Disconnect Switches



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.	FD400 – FD800	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	FD600 – FD800	2.42	CDETL-ZT80A CDETL-ZT80L



H - Coil voltage

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

Shorting bars

Description	For use on:	AC thermal amp rating	AC rated voltage	Catalog number
Solid links (1 per kit)	FD400	400	600	FDSBZK98
	FD600 – FD800	800	600	FDSBZL79

90° angle kit

Description	For use on:	Weight (lbs)	Catalog number
Converts switch mechanism from front operation to side operation	FD400 – FD800	4.63	BDZX108

Side Operated Fusible Disconnect Switches for 30A – 400A

UL Fuse Class J, CC, T

For a complete assembly, please select one of each:

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



CFD30AJ3S

+



BDS170

+



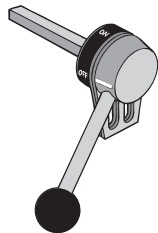
BDH59SH



CFD60J3S



CFD100J3S



BDZX74



BDS325



BDTL25

Side operated switches — 3 pole

UL general purpose amp rating	UL fuse type 600V	Maximum horsepower rating					Weight (lbs)	Catalog number
		Three phase						
		200V	208V	240V	480V	600V		
30	J	5	7.5	7.5	15	20	1.54	CFD30AJ3S
30	CC	5	7.5	7.5	15	20	1.54	CFD30ACC3S
60	J	15	15	15	30	50	3.52	CFD60J3S
100	J [Ⓟ]	25	25	30	60	75	3.97	CFD100J3S
200	J [Ⓟ]	50	50	60	125	150	15.21	FD200J3-S
400	J [Ⓟ]	100	125	125	250	350	17.20	FD400J3-S

Handles

NEMA type	IEC type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight	Catalog number
For use with CFD30J3S & CFD30CC3S								
1, 3R, 12	IP65	Black	2.6/65	OFF/ON/TEST	Yes	Yes	0.29	BDH58SH
1, 3R, 12	IP65	Red/Yellow	2.6/65	OFF/ON/TEST	Yes	Yes	0.29	BDH59SH
For use with CFD60J3S & CFD100J3S								
1, 3R, 12	IP65	Black	3.1/80	OFF/ON/TEST	Yes	Yes	0.30	BDH110SH
1, 3R, 12	IP65	Red/Yellow	3.1/80	OFF/ON/TEST	Yes	Yes	0.30	BDH111SH
For use with FD200J3-S & FD400J3-S								
1, 3R, 12	IP65	Black	4.9/145	OFF/ON/TEST	Yes	Yes	0.39	BDH114SH
1, 3R, 12	IP65	Red/Yellow	4.9/145	OFF/ON/TEST	Yes	Yes	0.39	BDH115SH
1, 3R, 12	IP65	Metal	4.9/145	OFF/ON/TEST	—	Yes	1.50	BDZX74

— = No

Shafts

For use with:	Length (inches/mm)	Description	Weight (lbs.)	Catalog number
CFD30AJ3S & CFD30ACC3S	6.7/170	0.24 x 0.24" (6 x 6mm)	0.08	BDS170
CFD60J3S & CFD100J3S	8.3/210	0.24 x 0.24" (6 x 6mm)	0.13	BDS210
FD200J3-S & FD400J3-S	12.8/325	0.47 x 0.47" (12 x 12mm)	0.90	BDS325

Terminal lug kit

For use on:	Wire size	Kit weight (lbs)	Wire type	Lugs per kit	Catalog number
CFD30J3S & CFD30CC3S	#14 – 4	—	Cu	—	Integral
CFD60J3S	#14 – 4	—	Cu	—	Integral
CFD100J3S	#14 – 2/0	0.43	Cu/Al	6	BDTL24
FD200J3-S	#6 – 300 kcmil	0.93	Cu/Al	6	BDTL25
FD400J3-S	#2 – 600 kcmil	3.50	Cu/Al	6	BDTL26

[Ⓟ] J type fuse clips are standard. If 600V Type "T" fuse clips are desired, please order the "T" type fuse adapter kit.

Flange Operated Fusible Disconnect Switches for 30A – 100A

UL Fuse Class J, CC, T

For a complete assembly, please select one of each:

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



CFD30J3F



BDFHS12



BDFHNHS12



BDFHNHS__



BDFHS__



BDTL24

Flange operated switches — 3 pole

UL general purpose amp rating	UL fuse type 600V	Maximum horsepower rating					Weight (lbs)	Catalog number
		Three phase						
		200V	208V	240V	480V	600V		
30	J	5	7.5	7.5	15	20	2.20	CFD30AJ3F
30	CC	5	7.5	7.5	15	20	2.50	CFD30ACC3F
60	J	15	15	15	30	50	3.52	CFD60J3F
100	J	25	25	30	60	75	3.97	CFD100J3F

Handles

NEMA type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1, 3R, 12	Metal	6.9/175	O/I & OFF/ON	Yes	Yes	3.52	BDFHNHS12
4, 4X	Metal	6.9/175	O/I & OFF/ON	Yes	Yes	3.52	BDFHNHS4

Shafts

Shaft length inches	Mounting depth in inches	Weight (lbs)	Catalog number
12		0.39	BDFHS12
17		0.55	BDFHS17
22.5		0.73	BDFHS22

Terminal lug kit

For use on:	Wire size	Kit weight (lbs)	Wire type	Lugs per kit	Catalog number
BDCF30J6_ & BDFLF60J6-F	#14 – #4	—	Cu	—	Standard
BDFLF100J6-F	#14 – #4	—	Cu	—	Standard
BDFLF100J6-F	#14 – 2/0	0.43	Cu/Al	6	BDTL24

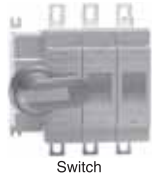
Door hardware — NEMA 12

Item	Weight (lbs)	Catalog number
Safety door latch, 2 point with 6" handle	1.92	BDDHK
Roller for 3 point latch, add to FH-DHK	0.39	BD3RL

Cable Operated Fusible Disconnect Switches for 30A – 800A

UL Fuse Class CC, J, L & T

For a complete assembly, please select one each of the following:



+



+



+



+



Switch



Handle



BFCL36 - BFCL108
BK7C048 - BK7C084



Lug kit



BDTL175/400

Fusible

UL general purpose amp rating	UL fuse type 600V	Maximum horsepower rating					Mechanism Part Number	Switch Part Number
		Three-phase						
		200-208V	240V	480V	600V	Poles		
30	CC	5/7.5	7.5	15	20	3	BMKCS2	CFD30ACC3
30	J	5/7.5	7.5	15	20	3	BMKCS2	CFD30AJ3
60	J	15	15	30	50	3	BMKCS3	CFD60J3
100	J/T	25	30	60	75	3	BMKCS4	CFD100AJ3
200	J	50	60	125	150	3	BMKCS4	CFD200J03
400	J/T	100	125	250	350	3	Incl.	FD400J3-FC
600	J/T	150	200	400	500	3	Incl.	FD600J3-FC
800	L	200	250	500	600	3	Incl.	FD800J3-FC

Flange handles - UL 98; File #E101914

For use with:	Environmental rating	Catalog number
CFD30 - CFD200	NEMA 1, 3R, 12	BDHFC12
	NEMA 4, 4X	BDHFC4
FD400 - FD-800	NEMA 1, 3R, 12	BK7FCH
	NEMA 4, 4X	BK7FCH4

Flexible cables

For use with:	Cable length (inches)	Catalog number
CFD30 - CFD200	36	BFCL36
	48	BFCL48
	60	BFCL60
	72	BFCL72
	84	BFCL84
	96	BFCL96
FD400 - FD800	108	BFCL108
	48	BK7C048
	60	BK7C060
	72	BK7C072
	84	BK7C084

Terminal lug kits

For use with:	Wire size	Wire type	Description	Lugs per kit	Catalog number
CFD100 - CFD200	#4-300kcmil	Cu/Al	-	6	CDTL200
	#4-300kcmil	Cu/Al	-	3	CDTL200/3P
	(6)#4-6AWG	Cu/Al	Dist. lug	3	CDTL206
FD400J	#2-600kcmil	Cu/Al		6	BDTL26
FD600J - FD800L	(12)#14-6	Cu/Al		3	BDTL175/400
FD600J - & FD800L	(2)#2 - 600kcmil	Cu/Al		6	BDTL27

Door hardware — NEMA 12

Item	Catalog number
Safety door latch, 2 point, door less than 40" high	BKDH2R
Safety door latch, 3 point, door greater than 40" high	BKDH3R

UL & cULus Technical Data for Fusible Disconnect Switches

CFD30CC3 – FD800L3

UL & cULus

Catalog number	3 pole	CFD30_3	CFD60J3	CFD100J3	CFD200J3	FD400J3	FD600J3	FD800L3
Approvals ^①	2 pole 3 pole 4 pole	N/A UL98 & IEC UL98 & IEC	N/A UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC
Technical ratings	-40° to 40°C							
General purpose amp rating pf = 0.7 – 0.8	A	30	60	100	200	400	600	800
Max operating voltage	V	600	600	600	600	600	600	600
Max horsepower rating/ Max motor FLA current pf = 0.4 – 0.5								
Three phase								
200 – 208V	HP/A	5/16.8 – 7.5/24.2	15/46.2	25/75.0	50/143.0	100/273 – 125/344	150/396	200/528
240V	HP/A	7.5/22.0	15/42.0	30/80.0	60/145.0	125/312.0	200/480.0	250/602.0
480V	HP/A	15/21.0	30/40.0	60/77.0	125/156.0	250/302.0	400/477.0	500/590.0
600V	HP/A	20/22.0	50/52.0	75/77.0	150/144.0	350/336.0	500/472.0	600/ —
Single phase								
120V	HP/A	2/24.0	—	—	—	—	—	—
240V	HP/A	3/17.0	—	—	—	—	—	—
Short circuit rating with fuse	kA	200	200	200	200	200	200	200
UL Fuse size	A	30	60	100	200	400	600	800
UL Fuse type		J/CC	J	J/T	J	J/T	J/T	L
Endurances								
Min. Electrical endurance, pf = 0.75 – 0.80	operation cycles	6000	6000	6000	6000	1000	1000	500
Mechanical endurance	operation	20,000	20,000	20,000	20,000	12,000	10,000	7000
Physical characteristics								
Weight	3 pole lb 4 pole lb	1.54 1.98	2.86 3.52	3.30 3.96	5.9 7.5	17.2 19.4	37.48 46.3	37.48 46.3
Dimension	3 pole H in W in D in	3.82 4.17 4.21	3.94 5.63 5.04	5.66 7.06 5.09	6.5 7.1 5.2	7.87 11.22 8.11	11.42 14.69 9.21	11.42 14.69 9.21
Shaft size square □	in mm	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.47 x .47 12 x 12	.47 x .47 12 x 12	.47 x .47 12 x 12
Switch operating torque for rotary 3 pole switches	lb. in.	26.6	35.5	70.9	195	195	248	248
Terminal lug kits								
Wire range	AWG	Integral #18 – 8	Integral #14 – 4	BDTL24 #14 – 2/0	CDTL200 #4 – 300kcmil	BDTL26 #2 – 600kcmil	BDTL27 (2) #2 – 600 kcmil	BDTL27 (2) #2 – 600 kcmil
Torque:								
Wire tightening	lb. in.	17	30	120	275	500	375	375
Lug mounting	lb. in.	N/A	N/A	50	150	480	500	480
Auxiliary contacts								
NEMA ratings, AC		— A600	A600	A600	A600	A600	A600	A600
AC rated voltage	VAC	250 600	600	600	600	600	600	600
AC thermal rated current	A	6 10	10	10	10	10	10	10
AC maximum volt ampere making	VA	— 7200	7200	7200	7200	7200	7200	7200
AC maximum volt ampere breaking	VA	— 720	720	720	720	720	720	720
NEMA ratings, DC		— P300	R300	R300	R300	P600	P600	P600
DC rated voltage	VDC	— 300	300	300	300	600	600	600
DC thermal rated current	A	— 1	1	1	1	5	5	5
DC maximum make break current	A	— 28	28	28	28	138	138	138
Torque:								
Wire tightening	lb. in.	7	7	7	7	7	7	7
Wire range	AWG	#22 – 14/#18 – 14	#18 – 14	#22 – 14	#18 – 14	#22 – 14	#22 – 14	#22 – 14

Disconnect Switches

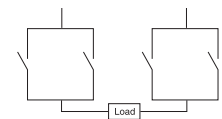
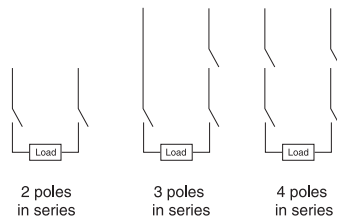
^① The following UL Listed switches are also cULus approved.

IEC Technical Data for Fusible Disconnect Switches

CFD30CC3 – FD800L3

IEC

Catalog number	3 pole	CFD30_3	CFD60J3	CFD100J3	CFD200J03	FD400J3	FD600J3	FD800L3
Technical ratings	-40° to 40°C							
Rated insulation voltage ^①	1000	1000	1000	1000	1000	1000	1000	
Pollution degree 3 ^⑧								
Dielectric strength	50Hz/60Hz, 1 min	10	10	10	10	10	10	10
Rated impulse withstand voltage	kV	12	12	12	12	12	12	12
Rated thermal current, Ith/ max. fuse power dissipation ^②								
AC 20/DC 20 open ^③	A/W	32/3.5	63/7.5	160/12	200/17	400/45	630/60	800/65
40°C enclosed	A/W	32/3.5	63/7.5	160/10, 135/12	200/17	400/34, 360/37	600/45, 570/50	720/55
Enclosed with solid links	A/W	32	85	175	280	450	700	900
with minimum cable cross section Cu	mm ²	6	16	70	95	240	2 x 185	2 x 240
Rated operational voltage AC 20 and DC 20V		1000	1000	1000	1000	1000	1000	1000
AC Rated operational currents								
AC 21A	500V A	32	63	160	200	400	630	800
	690V A	32	63	160	200	400	630	800
AC 22A	500V A	32	63	160	200	400	630	800
	690V A	32	63	160	200	400	630	800
AC 23A	500V A	32	63	160	200	400	630	720
	690V A	32	63 ^④	160 ^④	200	400	630	720
DC Rated operational currents/poles in series								
DC21A	48V ^⑤ A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	110V A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	220V A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	440V A	32/4	⑤	⑤	200/2	400/2	630/2	800/2
	750V A	—	⑤	⑤	180/4	400/3	630/1	800/3
	1000V A	—	⑤	⑤	—	400/4	630	800/4
DC22A	48V ^⑤ A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	110V A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	220V A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	440V A	32/4	⑤	⑤	200/2	400/2	630/2	800/2
	750V A	—	⑤	⑤	180/4	400/3	630/3	800/3
	1000V A	—	⑤	⑤	—	400/4	630/4	800/4
DC23A	48V ^⑥ A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	110V A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	220V A	32/2	⑤	⑤	200/1	400/2	630/2	800/2
	440V A	32/4	⑤	⑤	200/2	400/2	630/2	800/2
	750V A	—	⑤	⑤	180/4	400/3	630/3	800/3
	1000V A	—	⑤	⑤	—	—	630/4	800/4
Rated operational power AC23A								
	230V kW	8	18.5	45	60	110	180	200
	400V kW	14	30	80	110	210	315	350
	415V kW	15	30	90	110	230	340	380
	500V kW	18	37	110	140	280	400	470
	690V kW	25	60	132	190	330	540	600



① 1000V, IEC 408.

② Ambient temperature 60°C: derating 20 percent. Mounting on ceiling: derating 10 percent. Mounting on wall, horizontal fuses: derating 8 percent.

③ The ambient air temperature does not exceed +40°C and its average over a period of 24h does not exceed +35°C according to IEC 947.

④ For 30A switches, use 2 parallel contacts in series.

⑤ Available on request.

⑥ IEC 947-3, utilization category B, infrequent operation.

⑧ Pollution degree 3: Conductive pollution occurs, or dry, non-conductive pollution occurs, which becomes conductive due to condensation.

IEC Technical Data for Fusible Disconnect Switches

CFD30CC3 – FD800L3

IEC

Catalog number	3 pole	CFD30_3	CFD60J3	CFD100J3	CFD200J03	FD400J3	FD600J3	FD800L3
Rated breaking capacity								
in category AC-23A	500V A	256	504	1280	1600	3200	5760	5760
	690V A	256	504	1280	1600	3200	5760	5760
Rated breaking capacity/poles in series								
in category DC-23	<220V A	128/2	—	—	1000/2	1600/2	3200/2	3200/2
	440V A	128/4	—	—	1000/2	1600/2	3200/2	3200/2
	500 – 750V A	—	—	—	1000/3	1600/3	3200/3	3200/3
	1000V A	—	—	—	—	—	3200/4	3200/4
Rated conditional short-circuit current r.m.s. ^③								
	80 kA, 415V kA	9	17	22	35	40	75	75
	100 kA, 500 V kA	7.5	17	22	37.5	40	75	75
	50 kA, 690 V kA	6	13	15	35	35	60	60
Rated short time withstand current, 1s.	kA	1	2.5	5	8	10	16	16
Rated capacitor power								
– The capacitor rating of the fusible disconnect switch is limited by the fuse link								
	400 V kVar	15	30	—	—	180	250	310
	415V kVar	15	32	—	—	200	270	340
	690V kVar	25	50	—	—	325	450	550
Power loss/pole								
with rated current, without fuse	W	2	4	9	8	30	55	77
Mechanical endurance	operations	20,000	20,000	20,000	20,000	16,000	10,000	10,000
Fuse types, IEC 269-2	DIN 43620	—	000, 00	000, 00	—	0 – 2	3	3
	NFC	10 x 38, 14 x 51	14 x 51, 22 x 58	22 x 58	—	0 – 2	3	—
	BS 88	A1, A2, F1	A2 – A3	A2 – A4	B1 – B2	B1 – B4	C1 – C2	C1 – C3
size/distance of link bolts		M4/44.5(A1) M5/73(A2)	M5/73	M5/73 M8/94	M6/111	M3/111	M10/133, 184	M10/133, 184
Physical characteristics								
Weight	3 pole	0.7	1.3	1.5	2.6	7.8	17.0	17.0
	4 pole	0.9	1.6	1.8	7.9	8.8	21.0	21.0
Dimension	3 pole							
	H	97	100	144	198.5	226	282	282
	W mm	106	174	179	181.5	284	373	373
	D mm	107	123	129	132	198	221	221
Shaft size	square □ mm	6 x 6	6 x 6	6 x 6	6 x 6	12 x 12	12 x 12	12 x 12
Terminals								
Built-in terminal size	mm ²	0.5 – 10	2.5 – 25	—	—	—	—	—
Terminal bolt size, metric thread								
diameter x length	mm	—	—	M6 x 20	M8 x 25	M10 x 40	M12 x 40	M12 x 40
Terminal bolt tightening torque	Nm	2	3.5	6 – 9	15 – 22	30 – 44	50 – 75	50 – 75
Fuse-links bolts tightening torque	Nm	2	3.5	3.5 – 5	4	15	40	40
Operating torque	Nm	3	4	8	7	22	28	28
Auxiliary contacts								
Ratings according to IEC 947-5-1		①	②	③	④	⑤		
Rated voltage, U _i	VAC	690	690	690	690	690	690	690
Thermal current, I _{th}	A	10	16	16	16	10	10	10
AC12 / DC12, I _e U _e =	24V A	— / 6	—	—	—	—	—	—
	120V A	— / 6	—	—	—	8 / —	8 / —	8 / —
	125V A	—	—	—	—	— / 1.1	— / 1.1	— / 1.1
	230V A	—	6 / —	6 / —	6 / —	6 / —	6 / —	6 / —
	250V A	3 / 0.1	—	—	—	— / 0.55	— / 0.55	— / 0.55
	400V A	—	4 / —	4 / —	4 / —	4 / —	4 / —	4 / —
	415V A	—	—	—	—	4 / —	4 / —	4 / —
	440V A	2 / —	—	—	—	— / 0.31	— / 0.31	— / 0.31
	480V A	—	—	—	—	3 / —	3 / —	3 / —
	500V A	—	—	—	—	3 / 0.27	3 / 0.27	3 / 0.27
	600V A	—	—	—	—	— / 0.2	— / 0.2	— / 0.2
	690V A	—	2 / —	2 / —	2 / —	2 / —	2 / —	2 / —

① AC15 / DC12, according to IEC 947-5-1

② AC15 / DC13, according to IEC 947-5-1

③ AC15, according to IEC 947-5-1

④ AC11 / DC11, according to IEC 947-5-1

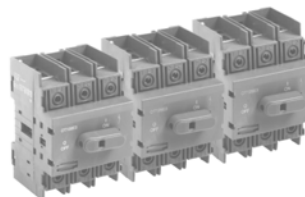
⑤ Values shown are corresponding max. allowed cut-off current, peak-values per single phase fuse tests.

Overview for Non-fusible Disconnect Switches

CDNF16 - CDNF100A3



CDNF16A3, CDNF25A3, CDNF32A3



CDNF30A3, CDNF60A3, CDNF100A3

Catalog number	3 pole	CDNF16A3	CDNF25A3	CDNF32A3	CDNF45A3	CDNF63A3	CDNF30A3	CDNF60A3	CDNF100A3	
General purpose amp rating	A	16	25	40	60	80	30	60	100	
Approvals^①										
	2 pole	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	3 pole	UL508	UL508	UL508	UL508	UL508	UL98	UL98	UL98	
	4 pole	UL508	UL508	UL508	UL508	UL508	UL98	UL98	UL98	
Technical ratings UL, cULus^②										
Max operating voltage	V	600	600	600	600	600	600	600	600	
Max horsepower rating										
Three phase										
200 – 208V	HP	3	7.5	10	15	20	10	20	25	
240V	HP	5	7.5	10	15	20	10	20	30	
480V	HP	10	15	20	30	40	20	40	50	
600V	HP	10	20	25	30	40	30	40	50	
Single phase										
120V	HP	1/2	3/4	1	2	2	2	3	5	
240V	HP	1.5	2	3	5	5	5	7.5	15	
Technical ratings IEC^③										
Rated insulation and operational voltage. AC20 and DC20 ^④	V	750	750	750	750	750	750	750	750	
Rated thermal current, I _n										
AC 20/DC 20 open	A	25	32	40	63	80	40	63	115	
AC 20/DC 20 enclosed	A	25	32	40	63	80	40	63	115	
AC 21A 500V	A	16	25	32	63	80	40	63	100	
690V	A	16	25	32	63	80	40	63	100	
Rated operational power AC23										
400/415V	kW	7.5	9	11	22	37	15	18.5	37	
690V	kW	7.5	9	11	15	18.5	15	15	37	
Physical characteristics										
Weight ^④	3 pole lb	0.24	0.24	0.24	0.59	0.59	0.79	0.79	0.79	
Dimension	3 pole H in	2.68	2.68	2.68	3.60	3.60	3.94	3.94	3.94	
	W in	1.38	1.38	1.38	2.07	2.07	2.76	2.76	2.76	
	D in	2.20	2.20	2.20	2.85	2.85	2.95	2.95	2.95	
Accessories										
Terminal lug kit		Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	
Terminal shroud		•	•	•	•	•	•	•	•	
Auxiliary contact		•	•	•	•	•	•	•	•	
Handle UL/NEMA type										
Type 1, 3R, 12		•	•	•	•	•	•	•	•	
Type 1, 3R, 4, 4X, 12		•	•	•	•	•	•	•	•	
Handle type										
Selector		•	•	•	•	•	—	—	—	
Pistol		•	•	•	•	•	•	•	•	
Conversion kits										
6 pole		•	•	•	•	•	•	•	•	
Transfer		•	•	•	•	•	•	•	•	
Bypass		•	•	•	•	•	•	•	•	
Mechanical interlock		•	•	•	•	•	•	•	•	
Electrical interlock		—	—	—	—	—	—	—	—	

• = Available
— = Not available

UL Listed, cULus approved, IEC rated, CE marked

① UL Listed switches are also cULus approved.

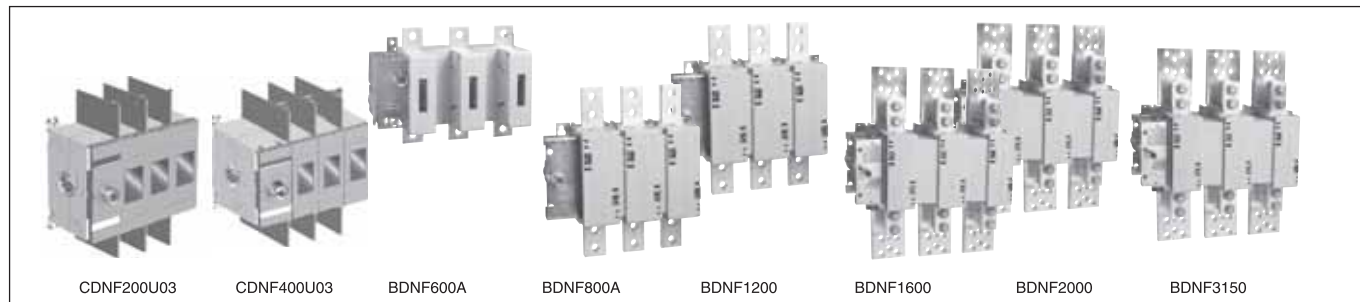
② For complete technical information please see page 58 & 59.

③ 1000V, IEC 408.

④ Switch only

Overview for Non-fusible Disconnect Switches

CDNF200U03 - BDNF3150



Catalog number	3 pole	CDNF200U03	CDNF400U03	BDNF600A	BDNF800A	BDNF1200	BDNF1600	BDNF2000	BDNF3150
General purpose amp rating	A	200	400	600	800	1200	1600	2000	3150
Approvals ^①	2 pole 3 pole 4 pole	UL98 & IEC UL98 & IEC IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC IEC	UL98 & IEC UL98 & IEC IEC	UL98 & IEC UL98 & IEC IEC	UL98 & IEC UL98 & IEC IEC	IEC IEC IEC
Technical ratings UL, cULus^②									
Max operating voltage	V	600	600	600	600	600	600	600	600
Max horsepower rating									
Three phase									
200 – 208V	HP	60	100	150	200	—	—	—	—
240V	HP	75	125	200	250	—	—	—	—
480V	HP	150	250	400	500	—	—	—	—
600V	HP	200	350	500	600	—	—	—	—
Single phase									
120V	HP	—	—	—	—	—	—	—	—
240V	HP	—	—	—	—	—	—	—	—
Technical ratings IEC^③									
Rated insulation and operational voltage. AC20 and DC20 ^④	V	1000	1000	1000	1000	1000	1000	1000	1000
Rated thermal current, I _m									
AC 20/DC 20 open	A	250	400	800	1250	1600	2500	2500	3150
AC 20/DC 20 enclosed	A	250	400	720	1250	1600	2300	2300	2600
AC 21A 500V	A	250	400	800	1250	1600	2500	2500	3150
690V	A	250	400	800	1250	1600	2500	2500	3150
Rated operational power AC23									
400/415V	kW	132	220	355	400	400	400	400	400
690V	kW	240	355	355	—	—	—	—	—
Physical characteristics									
Weight ^⑤	3 pole lb	2.90	5.70	13.66	35.9	38.55	127.7	127.7	127.7
Dimension	3 pole								
H in		6.69	8.66	11.77	19.09	19.09	25.04	25.04	25.04
W in		6.67	8.70	11.93	14.29	14.29	18.43	18.43	18.43
D in		3.30	4.15	5.12	4.92	4.92	10.67	10.67	10.67
Accessories									
Terminal lug kit		CDTL200	CDTL400	BDTL27	BDTL30	BDTL28	BDTL28	BDTL28/2	BDTL28/2
Terminal shroud		•	•	•	•	•	—	—	—
Auxiliary contact		•	•	•	•	•	•	•	•
Handle UL/NEMA type									
Type 1, 3R, 12		•	•	•	•	•	•	•	•
Type 1, 3R, 4, 4X, 12		•	•	•	•	•	•	•	•
Handle type									
Selector		—	—	—	—	—	—	—	—
Pistol		•	•	•	•	•	•	•	•
Conversion kits									
6 pole		•	•	•	•	•	—	—	—
Transfer		•	•	•	•	•	—	—	—
Bypass		•	•	•	•	•	—	—	—
Mechanical interlock		•	•	•	•	•	•	•	•
Electrical interlock		•	•	•	•	•	•	•	•

S = Standard feature
• = Available
— = Not available

UL Listed, cULus approved, IEC rated, CE marked

① UL Listed switches are also cULus approved.
② For complete technical information please see page 58 & 59.
③ 1000V, IEC 408.
④ Switch only

16A – 100A for Non-fusible Disconnect Switches

For a complete assembly,
please select one of each:

- 1 switch
- 1 handle
- 1 shaft



CDNF63A3



BDS85S



CDBH3S

16 – 100 Amp switches, 600V, 3 pole^①

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating						Terminal lugs		Catalog number
		Single phase		Three phase				Wire size	Wire type	
		120V	240V	200V	240V	480V	600V			
16	16	1/2	1.5	3	5	10	10	#18 – 8	Cu	CDNF16A3
25	25	3/4	2	7.5	7.5	15	20	#18 – 8	Cu	CDNF25A3
40	40	1	3	10	10	20	25	#18 – 8	Cu	CDNF32A3
60	63	2	5	15	15	30	30	#14 – 4	Cu	CDNF45A3
80	80	2	5	20	20	40	40	#14 – 1	Cu	CDNF63A3
30	40	2	5	10	10	20	30	#14 – 4	Cu	CDNF30A3
60	63	3	7.5	20	20	40	40	#14 – 4	Cu	CDNF60A3
100	115	5	15	25	30	50	50	#8 – 1/0	Cu	CDNF100A3



CDNF16A3
CDNF25A3
CDNF32A3



CDNF30A3
CDNF60A3
CDNF100A3



CDBH1S



CDBH15S



CDBH6S



BDS_S

Selector handles — for use with shafts $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

NEMA type	IEC type	Color	Defeatable	Padlockable	Weight (lbs)	Catalog number
All marked both O/I & Off/On						
1	IP54	Black	—	—	0.09	CBDH1S ^②
1	IP54	Red/Yel	—	—	0.09	CBDH2S ^②
1	IP54	Black	—	Yes	0.12	CBDH15S ^②
1	IP54	Red/Yel	—	Yes	0.12	CBDH16S ^②
1,3R,12	IP65	Black	—	Yes	0.16	CBDH3S
1,3R,12	IP65	Red/Yel	—	Yes	0.16	CBDH4S
1,3R,12	IP65	Black	Yes	Yes	0.16	CBDH5S
1,3R,12	IP65	Red/Yel	Yes	Yes	0.16	CBDH6S

Shafts — for use with CDH selector handles $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

Shaft length inches/mm	Mounting depth ^③ in inches						Weight (lbs)	Catalog number
	CDNF16 CDNF25 CDNF32		CDNF45 CDNF63		CDNF30 CDNF60 CDNF100			
	CBDH1S, CBDH2S	CBDH3S, CBDH4S	CBDH1S, CBDH2S	CBDH3S, CBDH4S	CBDH3S, CBDH4S	CBDH3S, CBDH4S		
3.3/85	4.2 – 5.0	3.6 – 4.3	4.9 – 5.6	4.4 – 5.0	3.9 – 4.9	0.04	BDS85S	
4.1/105	5.0 – 5.8	4.4 – 5.1	5.7 – 6.4	5.1 – 5.8	4.7 – 5.7	0.04	BDS105S	
4.7/120	5.6 – 6.4	5.0 – 5.8	6.3 – 7.0	5.7 – 6.4	5.3 – 6.3	0.05	BDS120S	
5.1/130	6.0 – 6.7	5.4 – 6.1	6.7 – 7.4	6.1 – 6.8	5.6 – 6.7	0.05	BDS130S	
7.1/180	7.1 – 8.7	7.4 – 8.1	8.6 – 9.4	8.1 – 8.7	7.6 – 8.6	0.08	BDS180S	
9.8/250	10.7 – 11.5	10.1 – 10.8	11.4 – 12.1	10.9 – 11.5	10.4 – 11.4	0.10	BDS250S	
13/330	13.8 – 14.6	13.3 – 14.0	14.6 – 15.3	14.0 – 14.7	13.5 – 14.5	0.14	BDS330S	

^① A snap on fourth pole may be added

^② Not suitable for use with CDNF30, 60, 100A3.

^③ Mounting depth is the distance from the outside of door to the disconnect switch mounting plate. Shaft can be cut to desired length.

Handles & Shafts for 16A – 100A Non-fusible Disconnect Switches

Base & DIN Rail Mounted



Pistol handles — for use with shafts \square .24 x .24" (\square 6 x 6mm)

NEMA type	IEC type	Color	Marking	Length inches/mm	Defeatable	Padlockable	Weight (lbs.)	Catalog number
1,3R,12	IP65	Black	O/I & Off/On	1.8/45	Yes	Yes	0.28	BDH56
1,3R,12	IP65	Red/Yel	O/I & Off/On	1.8/45	Yes	Yes	0.28	BDH57
1,3R,12	IP65	Black	O/I & Off/On	2.6/65	Yes	Yes	0.29	BDH58
1,3R,12	IP65	Red/Yel	O/I & Off/On	2.6/65	Yes	Yes	0.29	BDH59
1,3R,12,4,4X	IP66	Black	O/I & Off/On	2.6/65	Yes	Yes	0.29	CDHXB65L6
1,3R,12,4,4X	IP66	Red/Yel	O/I & Off/On	2.6/65	Yes	Yes	0.29	CDHXY65L6

Shafts — for use with pistol handles \square .24 x .24" (\square 6 x 6mm)

Shaft length	Mounting depth ^① in inches			Weight	Catalog
	CDNF16A3 CDNF25A3	CDNF45A3	CDNF30A3 CDNF60A3		
5.9/150	6.2 – 6.7	6.9 – 7.4	6.4 – 7.4	0.07	BDS150
6.7/170	7.0 – 7.5	7.7 – 8.1	7.2 – 8.1	0.08	BDS170
10.4/265	10.7 – 11.3	11.4 – 11.9	10.9 – 11.9	0.12	BDS265
15.8/400	16.0 – 16.6	16.8 – 17.2	16.2 – 17.2	0.18	BDS400
19.7/500	20.0 – 20.5	20.7 – 21.1	20.1 – 21.1	0.23	BDS500

Twisted shafts — Rotates handle 45° \square .24 x .24" (\square 6 x 6mm)

Shaft length (inches/mm)	Mounting depth ^① in inches			Weight (lbs.)	Catalog number
	CDNF16A3 CDNF25A3 CDNF32A3	CDNF45A3 CDNF63A3	CDNF30A3 CDNF60A3 CDNF100A3		
5.9/130	6.2 – 6.7	6.9 – 7.4	6.4 – 7.4	0.07	BDST4
8.3/210	7.0 – 7.5	7.7 – 8.1	7.2 – 8.1	0.08	BDST25
11.4/290	10.7 – 11.3	11.4 – 11.9	10.9 – 11.9	0.12	BDST29
14.2/360	16.0 – 16.6	16.8 – 17.2	16.2 – 17.2	0.18	BDST30

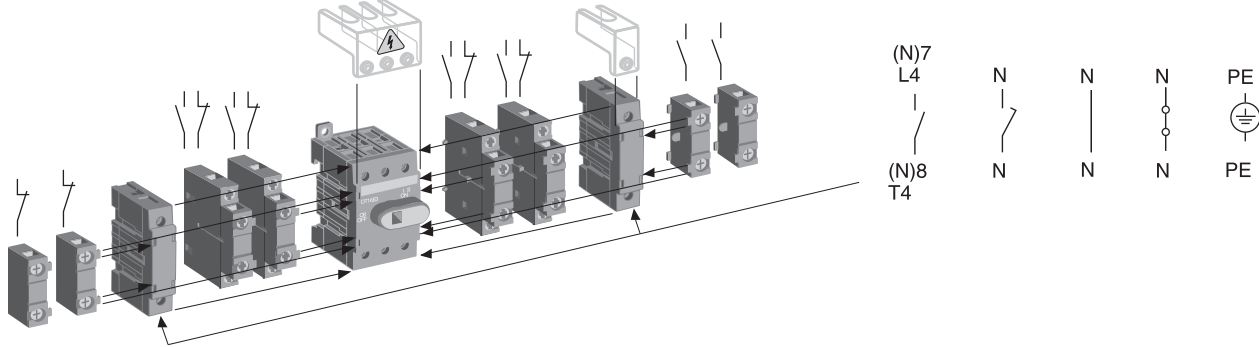
Replacement knob — mounts directly to switch; no shaft necessary

NEMA	Color	For use	Length	Padlockable	Catalog
1	Black	CDNF16, 25, 32A3	1.0	—	CDRKBS12
1	Black	CDNF30, 45, 60, 63, 100A3	1.4	Yes	CDRKBS2 ^③
Metal collar		CDNF16 – CDNF100A3	—	—	CDMCS2
Set screw		CDNF16, 25, 30, 32, 45, 60, 63, 100A3	—	—	CDSWM5X8A

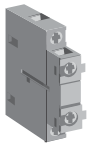
① Mounting depth is the distance from the outside of door to the disconnect switch mounting plate. Shaft can be cut to desired length.
 ③ Set screw CDSWM5X8A needed with replacement knobs CDRKBS__.

Accessories for 16A – 100A Non-fusible Disconnect Switches

Base and DIN rail mounted switches



CDAUX_



CDAUX11



CD_32PP



CD_63PP



CD_125PP

Auxiliary contacts^① — snap-on mounting

Description	For use on:	Weight (lbs.)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. mounts on right hand side of switch only	CDNF16 – CDNF100A3	0.07	10	600	CDAUX10
1 N.C. mounts on left hand side of switch only	CDNF16 – CDNF100A3	0.07	10	600	CDAUX01
1 N.O. + 1 N.C. mounts on left or right hand side of switch	CDNF16 – CDNF100A3	0.07	10	600	CDAUX11

Max. two contacts on each side of switch

Power poles

- Only one power pole per switch
- Mounts on left or right side of switch

Description	For use on:	Weight (lbs.)	AC thermal amp rating	AC rated voltage	Catalog number
Fourth pole ^②	CDNF16 - CDNF32A3	0.07	40	600	CDS32PP
	CDNF30 - 60A3	0.13	60	600	CDS60PP
	CDNF45 - 63A3	0.13	80	600	CDS63PP
	CDNF - 100A3	0.31	100	600	CDS125PP
Late-break/early-make ^②	CDNF16 - CDNF32A3	0.07	40	600	CDL32PP
	CDNF30 - 60A3	0.13	60	600	CDL60PP
	CDNF45 - 63A3	0.13	80	600	CDL63PP
	CDNF - 100A3	0.31	100	600	CDL125PP

Terminal poles

- Switch accepts one terminal pole per side
- Mounts on left or right side of switch

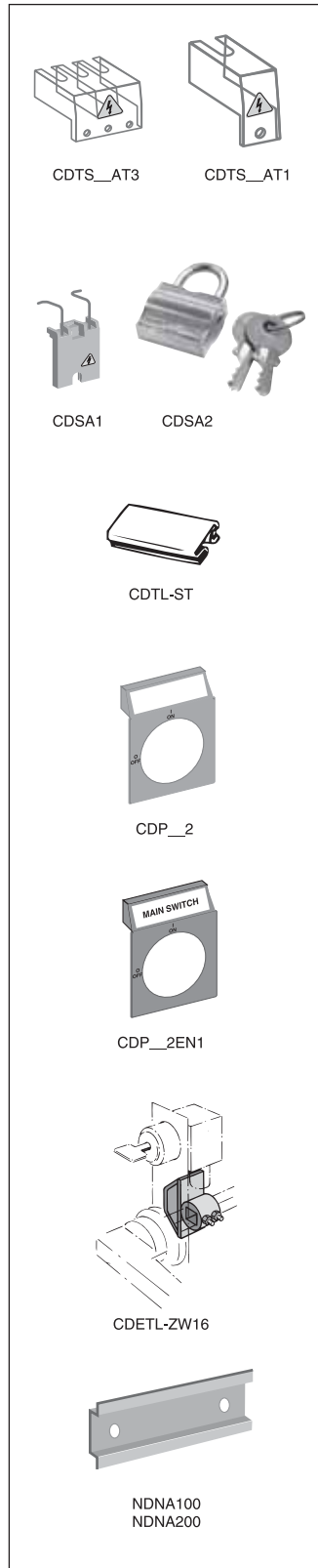
Description	For use on:	Weight (lbs.)	AC thermal amp rating	AC rated voltage	Catalog number
Solid neutral ^②	CDNF16 - 32A3	0.07	40	600	CDN32TP
	CDNF45 - 63A3	0.13	80	600	CDN63TP
	CDNF - 100A3	0.31	100	600	CDN125TP
Detachable neutral ^②	CDNF16 - 32A3	0.07	40	600	CDD32TP
	CDNF30 - 60A3	0.13	60	600	CDD60TP
	CDNF45 - 63A3	0.13	80	600	CDD63TP
	CDNF - 100A3	0.31	100	600	CDD125TP
Ground terminal ^②	CDNF16 - 32A3	0.07	40	600	CDE32TP
	CDNF30 - 60A3	0.13	60	600	CDE60TP
	CDNF45 - 63A3	0.13	80	600	CDE63TP
	CDNF - 100A3	0.31	100	600	CDE125TP

① UL File # E83510

② Switch accepts one power pole or one terminal pole per side. Only one power pole per switch.

Accessories for 16A – 100A Non-fusible Disconnect Switches

Base & DIN Rail Mounted



Terminal shrouds* — snap on mounting for line or load side

Description	For use on:	Weight (lbs.)	Catalog number
3 pole includes one shroud for line or load side	CDNF16, -25, -32 A3	0.02	CDTS32AT3 CDTS63AT3 CDTS100T3
	CDNF45, -63 A3	0.02	
	CDNF30, -60, -100 A3	0.02	
4th pole includes one shroud for line or load side	CD_32PP	0.02	CDTS32AT1 CDTS63AT1 CDTS100T1
	CD_63PP	0.02	
	CD_125PP	0.02	

* All disconnects are IP20 touch safe as standard. Terminal shrouds provide an additional level of protection.

Padlocking adapter

Description	For use on:	Weight (lbs.)	Catalog number
Adapter for one padlock with a max. 0.137" shackle	CDNF30, -45 A3	0.02	CDSA1
	CDNF60, -63 A3 CDNF - 100 A3		
Padlock for DS-SA1		0.22	CDSA2
Adapter and padlock		0.24	CDSA3

Labelling accessories

Description	For use on:	Package quantity	Catalog number
1 Pkg. of label carriers	CDNF30, -45 A3 CDNF60, -63 A3 CDNF - 100 A3	100 pieces	CDTL-ST
1 Pkg of blank description labels		315 pieces	CDT-E

Legend plates for selector handles

Description	For use on:	Catalog number
Blank plate	Black	CBDH1S, CBDH15S
	Yellow	CBDH2S, CBDH16S
	Black	CBDH3S, CBDH5S
	Yellow	CBDH4S, CBDH6S
Plate marked with: MAIN SWITCH	Black	CBDH1S, CBDH15S
	Yellow	CBDH2S, CBDH16S
	Black	CBDH3S, CBDH5S
	Yellow	CBDH4S, CBDH6S

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.	6 & 8mm shafts	0.29	CDETL-ZW16

DIN rail

Description	For use on:	Weight (lbs.)	Length inches/mm	Catalog number
35mm DIN Rail	CDNF16 – CDFN100 A3	0.38	39.4/1000	NDNA100
35mm Aluminum DIN Rail	CDNF16 – CDFN100 A3	0.75	78.8/1000	NDNA200

Shaft support

Description	For use on:	Weight (lbs.)	Catalog number
Shaft support	CDNF16 – CDFN100 A3	0.30	CDTL-ZX58

16A – 100A Non-fusible Disconnect Switches

Door Mounted

For a complete assembly,
please order one of each:

- 1 switch
- 1 handle



CDNF45A3D



CDH9S



CDNF16A3D
CDNF25A3D
CDNF32A3D



CDBH8S
CDBH12S



CDBH17S
CDBH19S



CDBH9S
CDBH13S



CDBH10S
CDBH14S

16 – 100 Amp switches, 600V, 3 pole^{①②③}

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating						Terminal lugs		Catalog number
		Single phase			Three phase			Wire size	Wire type	
		120V	240V	200V	240V	480V	600V			
16	16	1/2	1.5	3	5	10	10	#18 – 8	Cu	CDNF16A3D
25	25	3/4	2	7.5	7.5	15	15	#18 – 8	Cu	CDNF25A3D
40	40	1	3	10	10	20	20	#18 – 8	Cu	CDNF32A3D
60 ^④	63	2	5	15	15	30	20	#14 – 4	Cu	CDNF45A3D
80 ^④	80	2	5	20	20	40	40	#14 – 1	Cu	CDNF63A3D
30 ^④	40	2	5	10	10	20	30	#14 – 4	Cu	CDNF30A3D
60 ^④	63	3	7.5	20	20	40	40	#14 – 4	Cu	CDNF60A3D
100 ^④	115	5	15	25	25	50	40	#8 – 1/0	Cu	CDNF100A3D

Selector handles

NEMA/UL type	IEC type	Color	Defeatable	Padlockable	Weight (lbs)	Catalog number
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All marked both O/I & Off/On

Snap-on mounting — for use on CDNF16, 25, 32A3D

1	IP54	Black	—	—	0.10	CBDH7S
1	IP54	Red/Yel	—	—	0.10	CBDH8S
1	IP54	Black	—	Yes	0.13	CBDH19S
1	IP54	Red/Yel	—	Yes	0.13	CBDH20S
1,3R,12	IP65	Black	—	Yes	0.17	CBDH9S
1,3R,12	IP65	Red/Yel	—	Yes	0.17	CBDH10S

Screw mounting — for use on CDNF16, 25, 32, 45 & 63A3D

1	IP54	Black	—	—	0.11	CBDH11S
1	IP54	Red/Yel	—	—	0.11	CBDH12S
1	IP54	Black	—	Yes	0.14	CBDH17S
1	IP54	Red/Yel	—	Yes	0.14	CBDH18S
1,3R,12	IP65	Black	—	Yes	0.18	CBDH13S
1,3R,12	IP65	Red/Yel	—	Yes	0.18	CBDH14S

Door mounted switches do not provide door interlock

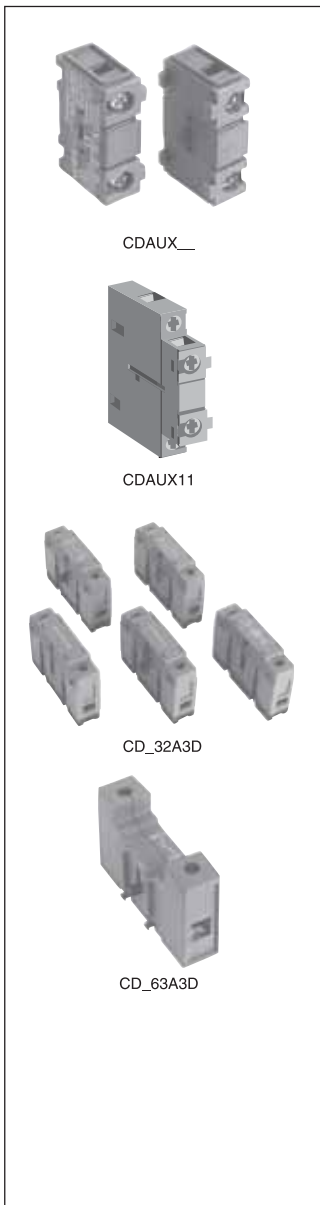
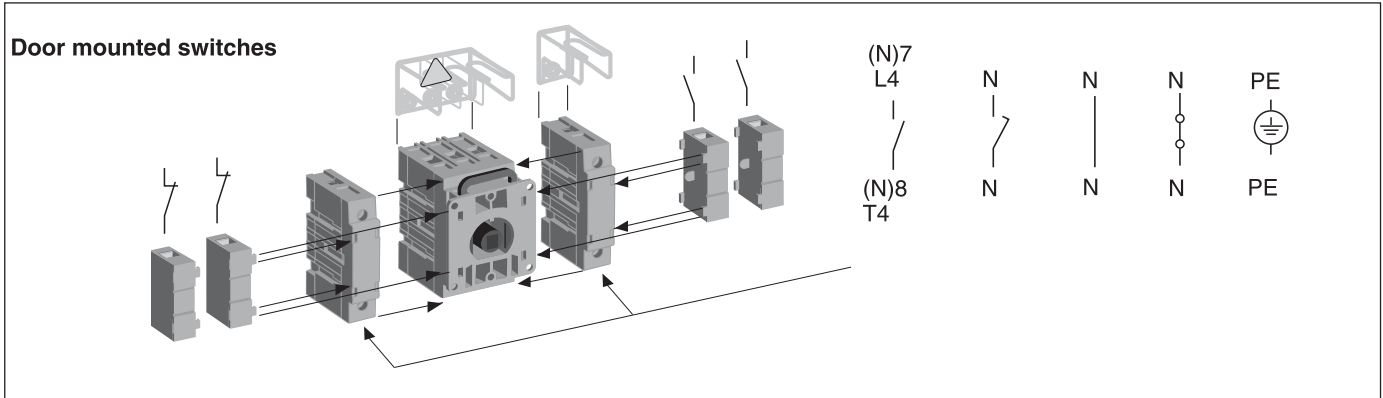
Pistol grip handle adapter

Description	For use on:	Weight (lbs)	Catalog number
Adapter piece for pistol grip handle (Note: derates handle to NEMA 1)	CDNF30, CDNF60, CDNF100S	0.18	CDHZSX6

- ① A snap on fourth pole may be added
- ② Door mounted switches do not require shafts.
- ③ CDNF16, 25, 32, 45 & 63 door mounted switches will not accept pistol handles.
- ④ CDNF45 & 63 door mounted switches can only use screw mounted handles.

Accessories for 16 – 100A Non-fusible Disconnect Switches

Door Mounted



Auxiliary contacts[®] — snap-on mounting

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. mounts on righthand side of switch	CDNF16A3D - CDNF100A3D	0.07	10	600	CDAUX10
1 N.C. mounts on lefthand side of switch		0.07	10	600	CDAUX01
1 N.O. + 1 N.C. mounts on left or right hand side of switch		0.07	10	600	CDAUX11

Max. two contacts on each side of switch

Power poles

- Only one power pole per switch
- Mounts on left or right side of switch

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Fourth pole [®]	CDNF16A3D, -25A3D, -32A3D	0.07	40	600	CDS32PD
	CDNF30A3D, -60A3D	0.13	60	600	CDS60PD
	CDNF45A3D, -63A3D	0.13	80	600	CDS63PD
	CNDF100A3D	0.20	100	600	CDS100PD
Late-break/early-make [®]	CDNF16A3D, -25A3D, -32A3D	0.07	40	600	CDL32PD
	CDNF45A3D, -63A3D	0.13	80	600	CDL63PD
	CDNF30A3D, -60A3D, -100A3D	0.20	100	600	CDL100PD

Terminal poles

- Switch accepts one terminal pole per side
- Mounts on left or right side of switch

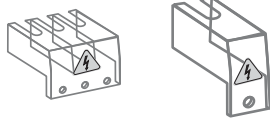
Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Solid neutral [®]	CDNF16A3D, -25A3D, -32A3D	0.07	40	600	CDN32PD
	CDNF30A3D, -60A3D	0.17	60	600	CDN60PD
	CDNF45A3D, -63A3D	0.13	80	600	CDN63PD
	CNDF100A3D	0.20	100	600	CDN100PD
Ground terminal [®]	CDNF16A3D, -25A3D, -32A3D	0.07	40	600	CDE32PD
	CDNF30A3D, -60A3D	0.13	60	600	CDE32PD
	CDNF45A3D, -63A3D	0.13	80	600	CDE63PD
	CNDF100A3D	0.20	100	600	CDE100PD

UL File # E83510

Switch accepts one power pole or one terminal pole per side. Only one power pole per switch.

Accessories for 16A – 100A Non-fusible Disconnect Switches

Door Mounted



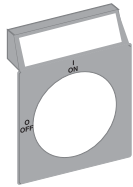
CDTS_AT3

CDTS_AT1

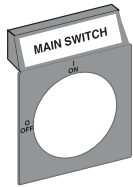
Terminal shrouds* — snap-on mounting for line or load side

Description	For use on:	Weight (lbs)	Catalog number
3 pole includes one shroud for line or load side	CDNF16D, 25D, 32D	0.02	CDTS32AT3 CDTS63AT3 CDTS100T3
	CDNF45D & 63D	0.02	
	CDNF30D, 60D, 100D	0.02	
4 pole includes one shroud for line or load side	CD_32D	0.02	CDTS32AT1 CDTS63AT1 CDTS100T1
	CD_63D	0.02	
	CD_100D	0.02	

* All disconnects are IP20 touch safe as standard. Terminal shrouds provide an additional level of protection.



CDP_



CPP_EN1



CDBY68140

Legend plates for selector handles

Description	For use on:	Catalog number
Blank plate		
Black	CBDH1S, CBDH15S	CDPB1
Yellow	CBDH2S, CBDH16S	CDPY1
Black	CBDH3S, CBDH5S	CDPB2
Yellow	CBDH4S, CBDH6S	CDPY2
Plate marked with: MAIN SWITCH		
Black	CBDH1S, CBDH15S	CDPB1EN1
Yellow	CBDH2S, CBDH16S	CDPY1EN1
Black	CBDH3S, CBDH5S	CDPB2EN1
Yellow	CBDH4S, CBDH6S	CDPY2EN1

Locking clip (replacement part)

Description	For use on:	Catalog number
Door mounted switch handle locking clip	CDNF16DA3D CDNF25DA3D CDNF32DA3D	CDBY68140

125A Non-fusible Disconnect Switches

For a complete assembly,
please select one of each:

- 1 switch
- 1 handle
- 1 shaft



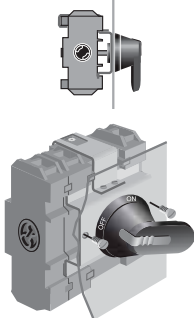
CDNF160



BDS210



BDH60



CDNF160D



BDH60



BDH61



BDS__



BDST__

125 Amp Base & DIN rail mounted switches^①, 600V

UL 98 general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating					Terminal lugs		Catalog number
		Three phase					Wire size	Wire type	
		200V	208V	240V	480V	600V			
2 pole									
100	160	—	—	—	—	—	#8 – 1/0	Cu	CDNF160-2
3 pole									
100	160	30	30	30	60	75	#8 – 1/0	Cu	CDNF160


125 Amp Door mounted switch^①, 600V, 3 pole

UL 98 general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating					Terminal lugs		Catalog number
		Three phase					Wire size	Wire type	
		200V	208V	240V	480V	600V			
100	160	30	30	30	60	75	#8 – 1/0	Cu	CDNF160D


Pistol handles — for use with $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

NEMA type	IEC type	Color	Length in/mm	Marking	Defeat- able	Padlock- able	Weight (lbs)	Catalog number
1, 3R, 12	IP65	Black	2.6/65	O/I & Off/On	Yes	Yes	0.29	BDH58
1, 3R, 12	IP65	Red/Yel	2.6/65	O/I & Off/On	Yes	Yes	0.29	BDH59
1, 3R, 12	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH60
1, 3R, 12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH61
1, 3R, 4, 4X, 12	IP66	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXB86
1, 3R, 4, 4X, 12	IP66	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXY86

Shafts — for use with pistol handles $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

Shaft length inches/mm		Mounting depth ^② in inches	Weight (lbs)	Catalog number
5.2/130		4.3 – 6.0	0.08	BDS130
5.9/150		5.0 – 6.7	0.09	BDS150
8.3/210		7.4 – 9.1	0.13	BDS210
11.4/290		10.5 – 12.2	0.18	BDS290
14.2/360		13.3 – 15.0	0.23	BDS360
16.9/430		16.0 – 17.8	0.27	BDS430

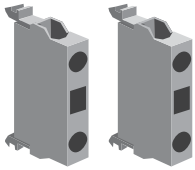
Twisted shafts — Rotates handle 45° $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

Shaft length inches/mm		Mounting depth ^② in inches	Weight (lbs)	Catalog number
5.2/130		4.3 – 6.0	0.08	BDST4
8.3/210		7.4 – 9.1	0.13	BDST25
11.4/290		10.5 – 12.2	0.18	BDST29
14.2/360		13.3 – 15.0	0.23	BDST30

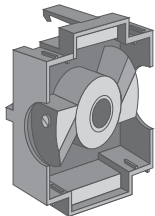
① A snap on fourth pole may be added

② Mounting depth is the distance from the outside of the door to the disconnect switch mounting plate. Shaft can be cut to desired length.

Accessories for 125A Non-fusible Disconnect Switches



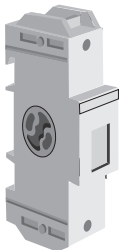
CDAUXCA10 CDAUXCA01



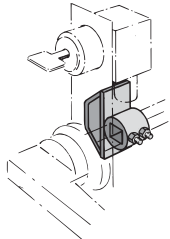
CDAUXB160



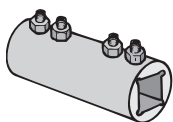
CDAUX16011 CDMB160



CD_160P



CDETL-ZW16



BDZX167
BDZX95

Auxiliary contacts, top mounted

- Accepts four contacts maximum, mounting base always required

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. 1 N.C.	CDNF160	0.07	10 10	600 600	CDAUXCA10 CDAUXCA01
1 N.O. gold plated ^① 1 N.C. gold plated ^①	CDNF160	0.07	10 10	600 600	CDEA-10AU CDEA-01AU
Mounting base – required for CDAUX_	CDAUX_	0.06	—	—	CDAUXB160

Auxiliary contacts, side mounted

- Accepts four contacts maximum

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
1 N.O. & 1 N.C.	CDNF160	0.07	10	600	CDAUX16011
Mounting base, required for CDAUX16011	CDNF160	0.06	—	—	CDMB160

Max. two contacts on each side of switch. One mounting base required for each side of switch

Numbering stickers^②

Description	For use on:	Package qty.	Catalog number
1 Pkg. of blank labels for OBEA-10, 1 N.O.	CDNF160	10	CDEA-ZX10
1 Pkg. of blank labels for OBEA-01, 1 N.C.	CDNF160	10	CDEA-ZX01

Power pole — for use with base or door mounted switch

- Only one power pole per switch
- Mounts on left or right side of switch

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Fourth pole	CDNF160	0.66	125	600	CDS160P

Terminal poles — for use with base or door mounted switch

- Switch accepts one terminal pole per side
- Mounts on left or right side of switch

Description	For use on:	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Detachable solid neutral mounts on side of switch or DIN rail	CDNF160	0.66	125	600	CDN160P
Ground terminal	CDNF160	0.66	125	600	CDE160P

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.	5, 6 & 8mm shafts	0.29	CDETL-ZW16

Handle support bracket

Description	For use on:	Weight (lbs)	Catalog number
Allows pistol handle to be directly mounted to switch behind the door	CDNF160	0.33	CDZX5

Shaft extension couplers

Description	For use on:	Weight (lbs)	Catalog number
Joins two shafts together for applications where extended length is required	for 6mm shafts	0.26	BDZX167 BDZX95
	for 12mm shafts	0.26	

^① Type _AU for low energy applications. The contacts are gold-plated. AC & DC ratings — Maximum: A600 & P600. Minimum: 12V, 1mA; 5V, 2mA
^② Required if several contact blocks are used in the same installation.

200A Non-fusible Disconnect Switches

For a complete assembly,
please select one of each:

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



CDNF200U03



BDS210



BDH60



CDTL200

Non-Fusible 3 pole and 4 pole 200A Switch

200 AMP, 600V

UL general purpose amp rating	IEC AC21 Amp Rating	Maximum horsepower rating					Catalog number
		Three phase					
		200V	208V	240V	480V	600V	
3 pole							
200	250	60	60	75	250	200	CDNF200U03
4 pole							
200	250	60	60	75	250	200	CDNF200U04



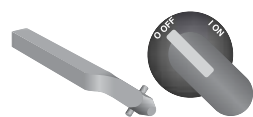
BDH60, CDHXB86



BDH59, 61



BDS_



BDST_1

Pistol handles - $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

UL/NEMA type	IEC type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1,3R,12	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH60
1,3R,12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	BDH61
1,3R,4,4X,12	IP65	Black	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXB86
1,3R,4,4X,12	IP65	Red/Yel	3.1/80	O/I & Off/On	Yes	Yes	0.30	CDHXY86

Shafts - $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

Shaft length (inches/mm)	Mounting dept (inches)	Weight (lbs)	Catalog number
5.2/130	4.3-6.5	0.08	BDS130
5.9/150	5.0-7.2	0.09	BDS150
8.3/210	7.4-9.6	0.13	BDS210
11.4/290	10.5-12.7	0.18	BDS290
14.2/360	13.3-15.5	0.23	BDS360
16.9/430	16.0-18.2	0.27	BDS430

Twisted shafts - rotates handle 45° $\square .24 \times .24$ " ($\square 6 \times 6$ mm)

Shaft length (inches/mm)	Mounting dept (inches)	Weight (lbs)	Catalog number
5.1/130	4.29-6.85	0.08	BDST4
8.3/210	7.44-10.0	0.13	BDST25
11.4/290	10.59-13.15	0.18	BDST29

Direct mount handle - TEST-OFF-ON

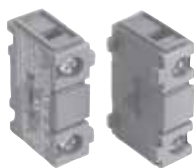
Description	Color	(lbs)	Catalog number
Up to 3 padlocks in OFF-position. Includes shaft and mechanism	Black	0.22	CDHTB20
	Red/Yel	0.22	CDHTY20

Disconnect
Switches

Accessories for 200A Non-fusible Disconnect Switches



CDTL200



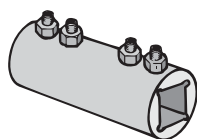
CDAUX10, CDAUX01K



CDTS250G1S/3



CDTS250G1L/3



BDZX167, BDZW95

Terminal Lug Kits

For use on:	Wire Size	Wire Type	Description	Terminal lugs per kit	Weight (lbs)	Catalog number
CDNF200U03	#4-300kcmil		---	6	0.5	CDTL200
CDNF200U04	#4-300kcmil		---	3	0.25	CDTL200/3P
	(6) 14-6 AWG	Cu/Al	Distribution lug	3	0.25	CDTL206

Auxiliary Contacts

Description	For use on:	Weight (lbs)	Catalog number
1 N.O.	CDNF200U03 and	0.07	CDAUX10
1 N.C.	CDNF200U04	0.07	CDAUX01K

Module for auxiliary contacts

Description	Weight (lbs)	Catalog number
Screw mounting to the left side of the switch	0.1	CDAUXM28

Terminal shrouds

For use on:	Description	Number of poles	Weight (lbs)	Catalog number
CDNF200U03 and CDNF200U04	Long type	3	0.2	CDTS250G1L/3
	Short type	3	0.13	CDTS250G1S/3
	Long type	4	0.26	CDTS250G1L/4
	Short type	4	0.18	CDTS250G1S/4

Terminal poles

Description	Weight (lbs)	AC thermal amp rating	AC rated voltage	Catalog number
Mounting separately on base, plate protected construction	0.88	200	600	CDD200P

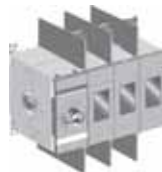
Shaft extension coupler

Description	For use on:	Weight (lbs)	Catalog number
Joins two shafts together for applications where extended length is required	6mm shafts 12mm shafts	0.26	BDZX167 BDZX95

400A Non-fusible Disconnect Switches

For a complete assembly,
please select one of each:

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



CDNF400U03



BDS280



BDH114



CDTL400



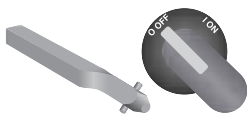
CDNF400U03



BDH112-117



BDS_



BDS_45



CDTL400

Non-Fusible 3 pole and 4 pole 400A Switch 200 AMP, 600V

UL general purpose amp rating	IEC AC21 Amp Rating	Maximum horsepower rating					Catalog number
		Three phase					
		200V	208V	240V	480V	600V	
3-pole							
400	630	100	100	125	250	350	CDNF400U03
4-pole							
400	630	100	100	125	250	350	CDNF400U04

Pistol handles - $\square .47 \times .47''$ ($\square 12 \times 12\text{mm}$)

UL/NEMA type	IEC type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1,3R,12	IP65	Black	4.9/125	O/I & Off/On	Yes	Yes	0.39	BDH112
1,3R,12	IP65	Red/Yel	4.9/125	O/I & Off/On	Yes	Yes	0.39	BDH113
1,3R,12	IP65	Black	5.7/145	O/I & Off/On	Yes	Yes	0.39	BDH114
1,3R,12	IP65	Red/Yel	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/Yel	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/Yel	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	IP66	Red/Yel	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	BDHB

Shafts - $\square .47 \times .47''$ ($\square 12 \times 12\text{mm}$)

Shaft length (inches/mm)	Mounting dept (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

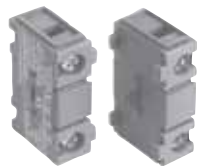
Twisted shafts - rotates handle 45° $\square .47 \times .47''$ ($\square 12 \times 12\text{mm}$)

Shaft length (inches/mm)	Mounting dept (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	17.5-21.5	1.32	BDS46545

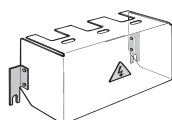
Direct mount handle - TEST-OFF-ON

Description	Color	(lbs)	Catalog number
Up to 3 padlocks in OFF-position. Includes shaft and mechanism	Black	0.44	CDHTB40
	Red/Yel	0.44	CDHTY40

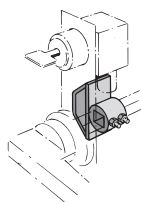
400A Non-fusible Disconnect Switches



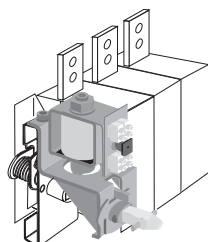
CDAUX10, CDAUX01k



CDS403



CDETL-ZW5_



BDZW95

Terminal Lug Kits

For use on:	Wire Size	Wire Type	Description	Terminal lugs per kit	Weight (lbs)	Catalog number
CDNF400U03	#2-600kcmil		---	6	0.5	CDTL400
CDNF400U04	#2-600kcmil		---	3	0.5	CDTL400/3P
	(6) 14-6 AWG	Cu/Al	Distribution lug	3	0.5	CDTL406

Auxiliary Contacts

Mounting on the left side of the switch: Max. 8 auxiliary contact blocks with the CDAUXM28

Mounting under the mechanism cover: Max. 4 auxiliary contact blocks

Description	For use on:	Weight (lbs)	Catalog number
1 N.O.	CDNF400U03, CDNF400U04	0.07	CDAUX10
1 N.C.		0.07	CDAUX01K

Module for auxiliary contacts

Description	Weight (lbs)	Catalog number
Screw mounting to the left side of the switch	0.1	CDAUXM28

Terminal shrouds

For use on:	Description	Number of poles	Weight (lbs)	Catalog number
CDNF400U03	3 pole			CDS403
CDNF400U04				CONTACT FACTORY

Locking accessories

Description	For use on	Weight (lbs)	Catalog number
Cam attachment for Kirk Key, Castell, Lowe & Fletcher and Ronis interlock. Cam attachment for adapting to the interlock system. The interlock is not included.	12mm shafts	0.29	CDETL-ZW5

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

Accessories for 600A – 800A Non-fusible Disconnect Switches

For a complete assembly, please select one of each:

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



BDNF600A

+



BDS280

+



BDH116

+



BDTL26



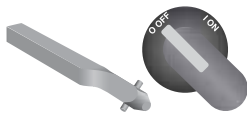
BDNF800A



BDH112-117



BDS280



BDS_45


600 – 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	600	—	—	—	—	—	BDNF600A2 BDNF800A2
	800	—	—	—	—	—	
3 pole	600	150	150	200	400	500	BDNF600A BDNF800A
	800	200	200	250	500	600	
4 pole	600	150	150	200	400	500	BDNF600A4 BDNF800A4
	—	1250	200	200	250	500	


Pistol handles — for use with shafts $\square .47 \times .47''$ ($\square 12 \times 12 \text{ mm}$)

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 $\square .47 \times .47''$ ($\square 12 \times 12 \text{ mm}$)

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

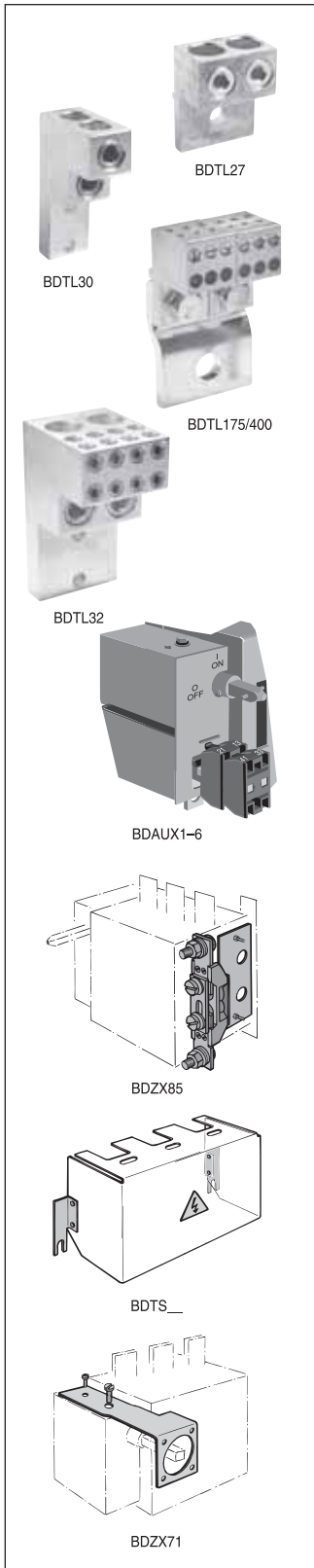
Twisted shafts —rotates handle 45° $\square .47 \times .47''$ ($\square 12 \times 12 \text{ mm}$)

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.

Disconnect Switches

Accessories for 600A – 800A Non-fusible Disconnect Switches



Terminal lug kits

For use on:	Wire size	Kit weight (lbs.)	Wire type	Terminal lugs per kit	Kit catalog number
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
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.	BDNF600 – 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	BDNF600A	1.04	400	600	BDZX85

Terminal shrouds

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

1200A – 3150A 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		BDNF1200 BDNF1600 BDNF2000 BDNF3150
3 pole			
1200	1600		
1600	2500		
2000	2500		BDNF12004 BDNF16004 BDNF20004 BDNF31504
—	3150		
4 pole			
—	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

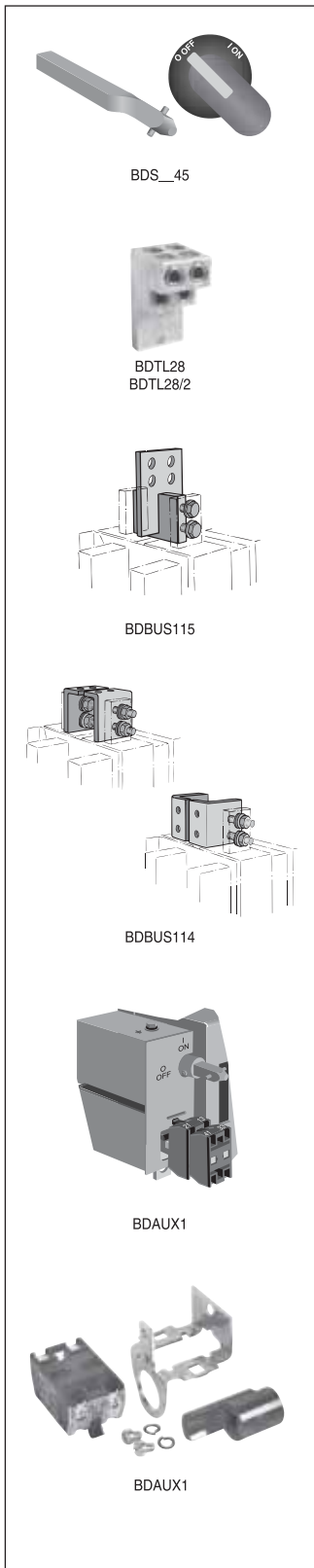
Shafts — for use with pistol handles .47 x .47" (12 x 12 mm)

Shaft length inches/mm	Mounting depth [Ⓢ] 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.

Disconnect Switches

Accessories for 1200A – 3150A Non-fusible Disconnect Switches



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 – 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

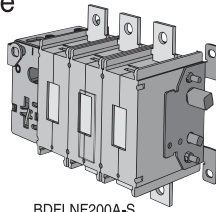
Description	For use on:	Weight (lbs)	Catalog number
Includes one shroud for line or load side	BDNF1200	1.20	BDTS12

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.

Side Operated Non-fusible Disconnect Switches 30A – 600A

For a complete assembly, please select one of each:

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



BDFLNF200A-S



BDS240



BDH110SH



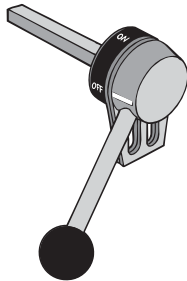
BDTL26



BDFLNF30-S



BDH107SH



BDZ74



CDS67P
BDS240
BDS325



BDTL24



BDTL25



BDTL27

Side operated switches — 3 pole

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating					Weight (lbs)	Catalog number
		Three phase						
		200V	208V	240V	480V	600V		
30	32	5	7.5	7.5	15	20	1.90	BDFLNF30-S
60	63	15	15	15	30	50	3.90	BDFLNF60-S
100	125	25	25	30	60	75	4.50	BDFLNF100-S
175	200	30	30	40	75	100	6.61	BDFLNF175-S
200	250	60	60	75	150	200	6.61	BDFLNF200A-S
400	630	100	100	125	250	350	13.66	BDFLNF400-S
600	800	150	150	200	400	500	13.66	BDFLNF600A-S

Handles

UL type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
For use with BDFLNF30-S							
1, 12, 3R	Black	2.65/65	O/1 & Off/On	Yes	Yes	0.29	BDH106SH
1, 12, 3R	Red/Yellow	2.65/65	O/1 & Off/On	Yes	Yes	0.29	BDH107SH
For use with BDFLNF60-S — BDFLNF200A-S							
1, 12, 3R	Black	3.1/80	O/1 & Off/On	Yes	Yes	0.30	BDH110SH
1, 12, 3R	Red/Yellow	3.1/80	O/1 & Off/On	Yes	Yes	0.30	BDH111SH
For use with BDFLNF400-S — BDFLNF600A-S							
1, 12, 3R	Black	4.9/145	O/1 & Off/On	Yes	Yes	0.39	BDH114SH
1, 12, 3R	Red/Yellow	4.9/145	O/1 & Off/On	Yes	Yes	0.39	BDH115SH
1, 12, 3R	metal	4.9/145	Off/On	Yes	Yes	1.50	BDZX74

Shafts

For use with:	Length inches/mm	Description	Weight (lbs)	Catalog number
BDFLNF30-S	6.7/170	.20 x .20" (5 x 5mm)	0.08	CDS67P
BDFLNF60 – 100	8.3/210	.24 x .24" (6 x 6mm)	0.10	BDS210
BDFLNF175 – 200	9.5/240	.31 x .31" (8 x 8mm)	0.26	BDS240
BDFLNF400-S – 600A-S	12.8/325	.47 X .47" (12 X 12mm)	0.90	BDS325

Terminal lug kits

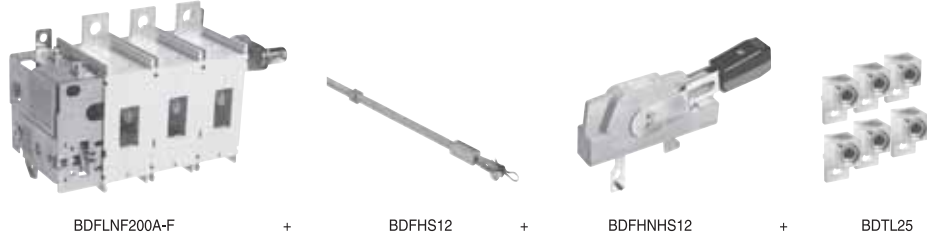
For use on:	Wire size	Weight (lbs)	Wire type	Lugs per kit	Catalog number
BDFLNF30-S	#14 – 4	—	Cu	—	Integral
BDFLNF60-S	#14 – 4	—	Cu	—	Integral
BDFLNF100-S	#14 – 2/0	0.43	Cu/Al	6	BDTL24
BDFLNF200A-S	#6 – 300 kcmil	0.93	Cu/Al	6	BDTL25
BDFLNF400-S	#2 – 600 kcmil	3.520	Cu/Al	6	BDTL26
BDFLNF600A-S	(2) #2 – 600 kcmil	4.62	Cu/Al	6	BDTL27

Side operated switches available through 800A as IEC rated.

Flange Operated Non-fusible Disconnect Switches 30A – 200A

For a complete assembly,
please select one of each:

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



BDFLNF200A-F

+

BDFHS12

+

BDFHNHS12

+

BDTL25

Flange operated switches – 3 pole

UL general purpose amp rating	IEC AC21 amp rating	Maximum horsepower rating					Weight (lbs)	Catalog number
		Three phase						
		200V	208V	240V	480V	600V		
30	40	10	10	10	20	30	2.80	BDFLNF30-F
60	63	20	20	20	40	40	3.90	BDFLNF60-F
100	115	25	25	25	50	40	4.50	BDFLNF100-F
200	250	60	60	75	150	200	6.61	BDFLNF200A-F

Flange handles

NEMA/UL type	Color	Length inches/mm	Marking	Defeatable	Padlockable	Weight (lbs)	Catalog number
1, 3R, 12	Metal	6.9/175	O/I & OFF/ON	Yes	Yes	3.52	BDFHNHS12
4, 4X	Metal	6.9/175	O/I & OFF/ON	Yes	Yes	3.52	BDFHNHS4

Shafts

Shaft length inches	Weight (lbs)	Catalog number
12	0.39	BDFHS12
17	0.55	BDFHS17
22.5	0.73	BDFHS22

Terminal lug kits

For use on:	Wire size	Kit weight (lbs)	Wire type	Terminal lugs per kit	Catalog number
BDFLNF30-F	#14 – #4	—	Cu	—	Standard BDTL24
BDFLNF60-F	#14 – #4	—			
BDFLNF100-F	#14 – 2/0	—			
BDFLNF200A-F	#6 – 300 kcmil	0.93	Cu/Al	6	BDTL25

Door hardware – NEMA 12

Description	Weight (lbs)	Catalog number
Safety door latch, 2 point with 6" handle.	1.92	BBDHK
Roller for 3 point latch, add to BBDHK	.39	BD3RL

UL Listed
cULus Approved
IEC Rated
CE Marked

Cable Operated Non-fusible Disconnect Switches 30A – 200A

For a complete assembly, please select one each of the following:



Switch

+



Handle

+



Cable

+



Lug kit (as required)

+



Operating mechanism



CDNF30A3



OHF1C12



BFCL36
BFCL84



Lug kit

Non-fusible

UL general purpose amp rating	Catalog Number
30	CDNF30A3
60	CDNF60A3
100	CDNF100A3
125	CDNF160
200	CDNF200U03

Flange handles - UL 98; File #E101914

For use with:	Environmental rating	Catalog number
CDNF30 - CDNF100, CDNF160, CDNF200	NEMA 1, 3R, 12	BDHFC12
	NEMA 4, 4X	BDHFC4

Flexible cables

For use with:	Cable length (inches)	Catalog number
CDNF30 - CDNF100, CDNF160, CDNF200	36	BFCL36
	48	BFCL48
	60	BFCL60
	72	BFCL72
	84	BFCL84

Operating mechanisms

For use with:	Catalog number
CDNF30 - 100	BMKCS1
CDNF160	BMKCS3
CDNF200	BMKCS4

Terminal lug kits

For use with:	Wire size	Wire type	Description	Lugs per kit	Catalog number
CDNF200U03	#4-300kcmil	Cu/Al	-	6	CDTL200
	#4-300kcmil	Cu/Al	-	3	CDTL200/3P
	(6)#4-6AWG	Cu/Al	Dist. lug	3	CDTL206

Door hardware — NEMA 12

Item	Catalog number
Safety door latch, 2 point, door less than 40" high	BKDH2R
Safety door latch, 3 point, door greater than 40" high	BKDH3R

UL & cULus Technical Data for Non-fusible Disconnect Switches

CDNF16 – CDFN160

UL & cULus

Catalog number	3 pole	CDNF16A3	CDNF25A3	CDNF32A3	CDNF45A3	CDNF63A3	CDNF30A3	CDNF60A3	CDNF100A3	CDNF160	
Approvals ^①	2 pole 3 pole 4 pole	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL98 & IEC UL98 & IEC	N/A UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	
General purpose amp rating pf = 0.7 – 0.8	-40° to 40°C A	16	25	40	60	80	30	60	100	100	
Max. operating voltage	V	600	600	600	600	600	600	600	600	600	
Max. horsepower rating/motor FLA current, pf = 0.4 – 0.5											
Three phase	200V – 208V 240V 480V 600V	HP/A HP/A HP/A HP/A	3/10.6 5/15.2 10/14.0 10/11.0	7.5/24.2 7.5/22.0 15/21.0 20/22.0	10/30.8 10/28.0 20/27.0 25/27.0	15/46.2 15/42.0 30/40.0 30/32.0	20/60.0 20/54.0 40/52.0 40/41.0	10/30.8 10/28.0 20/27.0 30/32.0	20/60.0 20/54.0 40/52.0 40/41.0	25/75.0 30/80.0 50/65.0 50/52.0	30/88.0 30/80.0 60/77.0 75/77.0
Single phase	120V 240V	HP/A HP/A	0.5/9.8 1.5/10.0	0.75/13.8 2/12.0	1/16.0 3/17.0	2/24.0 5/28.0	2/24.0 5/28.0	2/24.0 5/28.0	3/34.0 7.5/40.0	5/56.0 15/68.0	7.5/80 20/88.0
Short circuit rating with fuse											
Fuse type	CC J T RK1 RK5 L H	KA KA KA KA KA KA KA	10 10 10 10 5 — —	— 10 10 10 5 — —	— 10 10 10 5 — —	— 100 100 — — — 5	— 100 100 — 10 — — 5	— 50 50 — — — —	— 50 50 — — — —	— 50 50 — — — —	— 100 — — — — —
Fuse size	A	30 60	30 60	30 60	100 150	100 150	60 —	60 100	60 100	200	
Short circuit rating with MCCB	KA	—	—	—	—	—	—	—	—	25	
Endurances											
Min. Electrical endurance, pf = 0.75 – 0.80	operation cycles	6000	6000	6000	6000	6000	6000	6000	6000	6000	
Min. Electrical endurance, pf = 0.40 – 0.50	operation cycles	1000	1000	1000	1000	1000	②	②	②	②	
Mechanical endurance	operations	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	16,000	
Physical characteristics											
Weight, switches	3 pole 4 pole	lb lb	0.24 0.33	0.24 0.33	0.24 0.33	0.59 0.77	0.59 0.77	0.79 1.10	0.79 1.10	0.79 1.10	2.42 2.86
Dimension, switches	3 pole	H W D	in in in	2.68 1.38 2.20	2.68 1.38 2.20	2.68 1.38 2.20	3.60 2.07 2.85	3.60 2.07 2.85	3.94 2.76 2.95	3.94 2.76 2.95	5.00 4.96 2.93
Shaft size — square	□	in mm	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6	.24 x .24 6 x 6
Switch operating torque for rotary 3 pole switches		lb. in.	8.8	8.8	8.8	10.5	10.5	17.5	17.5	17.5	52.5
Terminal lug kits			Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	
Wire range	AWG	#18 – 8	#18 – 8	#18 – 8	#14 – 4	#14 – 1	#14 – 4	#14 – 4	#8 – 1/0	#8 – 1/0	
Torque:											
Wire tightening	lb. in.	7	7	7	18	18	55	55	55	70	
Lug mounting	lb. in.	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	
Auxiliary contacts		CDAUX_	CDAUX_	CDAUX_	CDAUX_	CDAUX_	CDAUX_	CDAUX_	CDAUX_	CDEA_	
NEMA ratings, AC		A600	A600	A600	A600	A600	A600	A600	A600	A600	
AC rated voltage	VAC	600	600	600	600	600	600	600	600	600	
AC thermal rated current	A	10	10	10	10	10	10	10	10	10	
AC maximum volt-ampere making	VA	7200	7200	7200	7200	7200	7200	7200	7200	7200	
AC maximum volt-ampere breaking	VA	720	720	720	720	720	720	720	720	720	
NEMA ratings, DC		R300	R300	R300	R300	R300	R300	R300	R300	P600	
DC rated voltage	VDC	300	300	300	300	300	300	300	300	600	
DC thermal rated current	A	1	1	1	1	1	1	1	1	5	
DC maximum make-break	VA	28	28	28	28	28	28	28	28	138	
Torque:											
Wire tightening	lb. in.	7	7	7	7	7	7	7	7	7	
Wire range	AWG	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#22 – 14	

① UL Listed switches are also cULus Approved.

② UL 98 overload test, 50 operations, pf 0.40 – 0.50 at 2x FLA.

UL & cULus Technical Data for Non-fusible Disconnect Switches

CDNF200U03 – BDNF3150

UL & cULus

Catalog number	3 pole	CDNF200U03	CDNF400U03	BDNF600A	BDNF800A	BDNF1200	BDNF1600	BDNF2000	BDNF3150 ④
Approvals ^①	2 pole UL98 & IEC 3 pole UL98 & IEC 4 pole IEC	UL98 & IEC UL98 & IEC IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC IEC	UL98 & IEC UL98 & IEC IEC	IEC UL98 & IEC IEC	IEC IEC
General purpose amp rating pf = 0.7 – 0.8	-40° to 40°C A	200	400	600	800	1200	1600	2000	3150
Max. operating voltage	V	600	600	600	600	600	600	480	—
Max. horsepower rating/Max. motor FLA current, pf = 0.4 – 0.5									
Three phase	200 – 208V HP/A 240V HP/A 480V HP/A 600V HP/A	60/160.0 75/192.0 150/180.0 200/192.0	100/273.0 125/312.0 250/302.0 350/336.0	150/396.0 200/480.0 400/477.0 500/472.0	200/528.0 250/602.0 500/590.0 600/576	— — — —	— — — —	— — — —	— — — —
Single phase	120V HP/A 240V HP/A	— —	— —	— —	— —	— —	— —	— —	— —
Short circuit rating with fuse									
Fuse type CC	kA	—	—	—	—	—	—	—	—
Fuse type J	kA	100	100	—	—	—	—	—	—
Fuse type T	kA	—	—	—	—	—	—	—	—
Fuse type RK1	kA	—	—	—	—	—	—	—	—
Fuse type RK5	kA	—	—	—	100	—	—	—	—
Fuse type L	kA	—	—	—	—	—	100	100	100
Fuse type H	kA	—	—	—	—	—	—	—	—
Fuse size	A	350	600	600	1200	1200	2000	2000	—
Short circuit rating with MCCB	kA	15	30	50	50	50	65	65	—
Endurances									
Min. Electrical endurance, pf = 0.75 – 0.80	operation cycles	6000	1000	1000	500	500	500	500	400
Min. Electrical endurance, pf = 0.40 – 0.50	operation cycles	②	②	②	②	②	②	②	②
endurance	operations	20,000	20,000	10,000	10,000	10,000	6000	6000	6000
Physical characteristics									
Weight, switches	3 pole lb 4 pole lb	2.9 3.5	5.7 6.8	13.66 16.74	35.9 45.15	38.55 49.56	127.7 149.7	127.7 149.7	127.7 149.7
Dimension, switches	3 pole H in W in D in	6.69 6.67 3.30	8.66 8.70 4.15	11.77 11.93 5.12	19.09 14.29 4.92	19.09 14.29 4.92	25.04 18.43 10.67	25.04 18.43 10.67	25.04 18.43 10.67
Shaft size — square	□ in mm	.24 x .24 6 x 6	.47 x .47 12 x 12	.47 x .47 12 x 12	.47 x .47 12 x 12	.47 x .47 12 x 12	.47 x .47 12 x 12	.47 x .47 12 x 12	.47 x .47 12 x 12
Switch operating torque for rotary 3 pole switches	lb. in.	62	142	184	184	184	438	438	438
Terminal lug kits		CDTL200	CDTL400	BDDL27	BDDL30	BDDL28	BDDL28	BDDL28/2	BDDL28/2
Wire range	AWG	#6-300kcmil ^③	#2-600kcmil	(2)#2-600kcmil	(2)#2-600kcmil	(4)#2-600kcmil	(4)#2-600kcmil	(8)#2-600kcmil	(8)#2-600kcmil
Torque:									
Wire tightening	lb. in.	275	375	375	500	375	375	375	375
Lug mounting	lb. in.	150	240	500	230	230	230	230	230
Auxiliary contacts		CDAUX_ _	CDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _
NEMA ratings, AC		A600	A600	A600	A600	A600	A600	A600	A600
AC rated voltage	VAC	600	600	600	600	600	600	600	600
AC thermal rated current	A	10	10	10	10	10	10	10	10
AC maximum volt-ampere making	VA	7200	7200	7200	7200	7200	7200	7200	7200
AC maximum volt-ampere breaking	VA	720	720	720	720	720	720	720	720
NEMA ratings, DC		P600	P600	P600	P600	P600	P600	P600	P600
DC rated voltage	VDC	600	600	600	600	600	600	600	600
DC thermal rated current	A	5	5	5	5	5	5	5	5
DC maximum make-break	VA	138	138	138	138	138	138	138	138
Torque:									
Wire tightening	lb. in	7	7	7	7	7	7	7	7
Wire range	AWG	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14

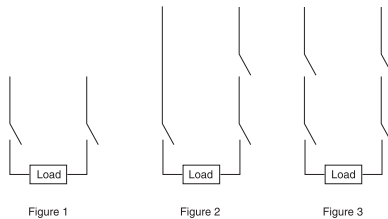
① UL Listed switches are also cULus Approved.
 ② UL98 overload test, 50 operations, pf 0.40 – 0.50 at 2x FLA.
 ③ Multi-tap lug available.
 ④ IEC rated only.

IEC Technical Data for Non-fusible Disconnect Switches

CDNF16 – CDFN160

IEC

Catalog number	3 pole	CDNF16	CDNF25	CDNF32	CDNF45	CDNF63	CDNF30	CDNF60	CDNF100	CDNF160	
Rated insulation and operation voltage, AC20 and DC20 ^①	40°C V	750	750	750	750	750	750	750	750	750	
Rated impulse withstand voltage	kV	8	8	8	8	8	8	8	8	12	
Rated thermal current, I _n											
AC 20/DC 20	open ^②	A	25	32	40	63	80	40	63	115	200
	40°C enclosed	A	25	32	40	63	80	40	63	115	160
	60°C enclosed	A	25	32	40	63	80	40	63	115	160
Rated operational currents											
AC 21A	500V	A	16	25	32	63	80	40	63	100	160 ^③
	690V	A	16	25	32	63	80	40	63	100	160 ^③
	1000V ^①	A	—	—	—	—	—	—	—	—	—
AC 22A	500V	A	16	25	32	63	80	40	63	100	160 ^③
	690V	A	16	25	32	63	80	40	63	100	160 ^③
	1000V ^①	A	—	—	—	—	—	—	—	—	—
AC 23A	415V	A	16	20	23	45	75	40	63	80	135
	500V	A	16	20	23	45	58	40	63	60	125
	690V	A	10	11	12	20	20	40	40	40	80
	1000V ^①	A	—	—	—	—	—	—	—	—	—
Rated operational currents/poles in series											
DC21A	48V	A	16/1	25/1	32/1	45/1	63/1	40/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	40/2	63/2	100/2	160/1
	220V	A	16/3	25/3	32/3	45/4	63/4	40/4	63/4	100/4	160/2
	440V	A	16/4	25/6	32/6	④	④	④	④	④	160/3
	750V	A	16/8	25/8	32/8	④	④	④	④	④	160/4
DC22A	48V	A	16/1	25/1	32/1	45/1	63/1	40/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	40/2	63/2	100/2	160/1
	220V	A	16/3	25/3	32/4	45/4	63/4	40/4	63/4	63/4	160/2
	440V	A	16/6	25/8	④	④	④	④	④	④	160/3
	750V	A	16/8	25/8	④	④	④	④	④	④	④
DC23A	48V	A	16/1	25/1	32/1	45/1	63/1	40/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	40/2	63/2	100/2	160/1
	220V	A	16/4	25/4	32/4	45/4	63/4	40/4	63/4	63/4	160/2
	440V	A	10/4	④	④	④	④	④	④	④	160/3
	750V	A	16/8	④	④	④	④	④	④	④	④
Rated operational power											
AC23A	230V	kW	3	4	5.5	11	22	7.5	11	22	45
	400/415V	kW	7.5	9	11	22	37	15	18.5	37	75
	500V	kW	7.5	9	11	22	37	15	18.5	37	75
	690V	kW	7.5	9	11	15	18.5	15	15	37	75
Short-circuit current with back-up fuses of size ^④	kA	50	50	50	50	50	50	50	50	50	
	A	32	40	63	80	100	100	100	200	200	



① 1000V, IEC 408.
 ② The ambient air temperature does not exceed +40°C and its average over a period of 24 hours does not exceed +35°C according to IEC 947.
 ③ IEC 947-3, utilization category B, infrequent operation.
 ④ Not available at time of printing, please consult factory.

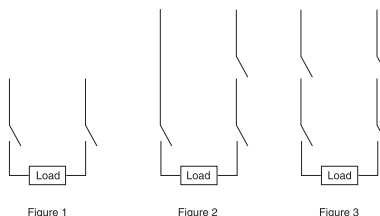
IEC Technical Data for Non-fusible Disconnect Switches

CDNF200U03 – BDNF3150

IEC

Catalog number	3 pole	CDNF200U03	CDNF400U03	BDNF600A	BDNF800A	BDNF1200	BDNF1600	BDNF2000	BDNF3150
Rated insulation and operational voltage, AC20 and DC20 ^①	40°C 1000 V	1000	1000	1000	1000	1000	1000	1000	
Rated impulse withstand voltage	kV	12	12	12	8	8	8	8	8
Rated thermal current, I _{th}									
AC 20/DC 20	open ^② A	250	400	800	1250	1600	2500	2500	3150
	40°C enclosed A	250	400	720	1250	1600	2300	2300	2600
	60°C enclosed A	—	—	720	1250	1600	2300	2300	2600
Rated operational currents									
AC 21A	500V A	250	400	800	1250	1600	2500 ^③	2500 ^③	3150 ^③
	690V A	250	400	800	1250	1600	2500 ^③	2500 ^③	3150 ^③
	1000V ^① A	—	—	630	—	—	—	—	—
AC 22A	500V A	250	400	800	1250	1600	1600 ^③	1600 ^③	1600 ^③
	690V A	250	400	800	—	—	—	—	—
	1000V ^① A	—	—	400	—	—	—	—	—
AC 23A	415V A	250	400	720	800	800	800 ^③	800 ^③	800 ^③
	500V A	250	400	600	800	800	800 ^③	800 ^③	800 ^③
	690V A	250	400	350	—	—	—	—	—
	1000V ^① A	—	—	200	—	—	—	—	—
Rated operational currents/poles in series									
DC21A	48V A	250/1	630/2	800/2	1250/2	1600/2	2500/2	2500/2	3150/2
	110V A	250/2	630/2	800/2	1250/2	1600/2	2500/2	2500/2	3150/2
	220V A	250/2	630/2	800/2	1250/3	1600/2	2500/2	2500/2	3150/2
	440V A	250/3	630/3	800/3	—	1600/3	2500/3	2500/3	3150/2
	750V A	250/4	—	—	—	—	—	—	—
DC22A	48V A	250/1	630/2	800/2	1250/2	1600/2	2500/2	2500/2	3150/2
	110V A	250/2	630/2	800/2	1250/2	1600/2	2500/2	2500/2	3150/2
	220V A	250/2	630/2	800/2	1250/2	1600/2	2500/2	2500/2	3150/2
	440V A	250/3	630/3	800/3	—	—	—	—	—
	750V A	250/4	—	—	—	—	—	—	—
DC23A	48V A	250/1	630/2	—	—	—	—	—	—
	110V A	250/2	630/2	—	—	—	—	—	—
	220V A	250/2	630/2	—	—	—	—	—	—
	440V A	250/3	—	—	—	—	—	—	—
	750V A	250/4	—	—	—	—	—	—	—
Rated operational power									
AC23A	230V kW	75	110	200	250	250	250	250	250
	400/415V kW	132/140	220/230	355	400	400	400	400	400
	500V kW	170	280	400	450	450	450	450	450
	690V kW	240	355	355	—	—	—	—	—
Short-circuit current	kA	100	100	80	50	50	50	50	50
with back-up fuses of size ^①	A	400	800	800	1000	1250	1250	1250	1250

Disconnect Switches



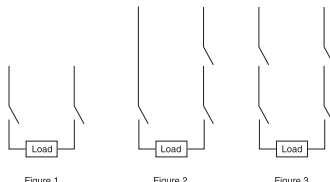
① 1000V, IEC 408.
 ② The ambient air temperature does not exceed +40°C and its average over a period of 24 hours does not exceed +35°C according to IEC 947.
 ③ IEC 947-3, utilization category B, infrequent operation.

IEC Technical Data for Non-fusible Disconnect Switches

CDNF16 – CDFN160

IEC

Catalog number	3 pole	CDNF16	CDNF25	CDNF32	CDNF45	CDNF63	CDNF30	CDNF60	CDNF100	CDNF160
Rated voltage, U ^e	V/V	415	415	415	415	415	415	415	415	415/690
Rated conditional short-circuit current	kA	50	50	50	50	50	50	50	50	80/50
Max. allowed fuse size, type OFAA	A	16	32	40	63	80	100	100	100	160/250
Max. allowed cut-off current, peak value	kA	4	4.3	4.6	8.3	11	9.2	9.2	9.2	21.0/21.6
Rated short-circuit making capacity, prospective peak value, I ^{cm}	kA	0.7	0.7	1.4	1.4	3.6	3.6	3.6	12	
Rated short time withstand current, RMS I ^{cw}	kA	—	—	—	—	—	—	—	—	7
	0.2s									
RMS I ^{cw}	kA	0.5	0.5	0.5	1	1	2.5	2.5	2.5	4
	1.0s									
AC breaking capacity										
pf = 0.35										
415V	A	128	160	184	240	304	320	504	640	1080
500V	A	128	160	184	240	256	320	504	504	1000
690V	A	80	88	96	160	160	320	320	320	640
1000V ^①	A	—	—	—	—	—	—	—	—	—
DC breaking capacity/poles in series										
L/R = 15ms, 3 pole in series										
48V	A	64/1	100/1	128/1	180/1	252/1	160/1	252/1	400/1	640/1
110V	A	64/2	100/2	128/2	180/2	180/2	160/2	252/2	400/2	640/1
220V	A	64/3	100/4	128/4	180/4	180/4	160/4	252/4	252/4	640/2
440V	A	②	②	②	②	②	②	②	—	640/3
750V	A	②	②	②	②	②	②	②	—	—
Capacitor ratings	400/415V	kVar	②	②	②	②	②	②	②	②
Rated capacitor duty	kA	②	②	②	②	②	②	②	②	②
Physical characteristics										
Electrical endurance at rated operational current, pf = 0.65	operation cycles	3000	3000	3000	3000	3000	3000	3000	3000	1000
Mechanical endurance	operations	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	16,000
Weight	3 pole	kg	0.11	0.11	0.11	0.27	0.27	0.36	0.36	1.1
	4 pole	kg	0.15	0.15	0.15	0.35	0.35	0.5	0.5	1.3
Dimension 3 pole	H mm	68	68	68	91.5	91.5	100	100	100	127
	W mm	35	35	35	52.5	52.5	70	70	70	126
	D mm	56	56	56	72.5	72.5	75	75	75	74.5
Power loss per pole	W	0.3	0.6	1	1.4	2.8	1	1.6	4	6.5
Shaft size — square	mm	6 x 6	6 x 6	6 x 6	6 x 6	6 x 6	6 x 6	6 x 6	6 x 6	6 x 6
Switch operating torque for rotary 3 pole switches	Nm	1	1	1	1.2	1.2	2	2	2	6
Suitable conductor cross section Cu	mm ²	0.75 – 10	0.75 – 10	0.75 – 10	1.5 – 35	1.5 – 35	1.5 – 25	1.5 – 25	1.5 – 25	10 – 70
Bolt size		—	—	—	—	—	—	—	—	—
Auxiliary contacts		CDAUX_ _	CDAUX_ _	CDAUX_ _	CDAUX_ _	CDAUX_ _	CDAUX_ _	CDAUX_ _	CDAUX_ _	CDAUX_ _
Ratings according to IEC 9-47-5-1										
Rated voltage, U _i	VAC	690	690	690	690	690	690	690	690	690
Thermal current, I _m	A	16	16	16	16	16	16	16	16	10
AC12/DC12 I _n , A U _n =										
120V	A	—	—	—	—	—	—	—	—	8/—
125V	A	—	—	—	—	—	—	—	—	—/1.1
240V	A	6 ^③	6 ^③	6 ^③	6 ^③	6 ^③	6 ^③	6 ^③	6 ^③	6/—
250V	A	—	—	—	—	—	—	—	—	—/0.55
400V	A	4 ^③	4 ^③	4 ^③	4 ^③	4 ^③	4 ^③	4 ^③	4 ^③	4/—
415V	A	—	—	—	—	—	—	—	—	4/—
440V	A	—	—	—	—	—	—	—	—	—/0.31
480V	A	—	—	—	—	—	—	—	—	3/—
500V	A	—	—	—	—	—	—	—	—	3/0.27
600V	A	—	—	—	—	—	—	—	—	—/0.2
690V	A	2 ^③	2 ^③	2 ^③	2 ^③	2 ^③	2 ^③	2 ^③	2 ^③	2/—



① 1000V, IEC 408.
 ② Not available at time of printing, please consult factory.
 ③ AC15, according to IEC947-5-1.

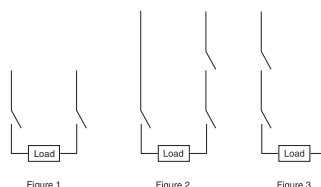
IEC Technical Data for Non-fusible Disconnect Switches

CDNF200U03 – BDNF3150

IEC

Catalog number	3 pole	CDNF200U03	CDNF400U03	BDNF600A	BDNF800A	BDNF1200	BDNF1600	BDNF2000	BDNF3150
Rated voltage, U _e	V/V	500/690	500/690	500/690	690	690	690	690	690
Rated conditional short-circuit current	kA	100/80	100/80	100/50	45	45	45	50	50
Max. allowed fuse size, type OFAA	A	350/355	500/500	800 ^③	—	—	—	—	—
Max. allowed cut-off current, peak value	kA	40.5/40.5	615/59	62	—	—	—	—	—
Rated short-circuit making capacity, prospective peak value, I _{cm}	kA	30	65	105	105	115	115	115	—
Rated short time withstand current, RMS I _{low}	0.2s kA	15	28	38	100	100	110	110	110
	1.0s kA	8	15	17	50 ^⑤	50 ^⑤	50 ^⑤	50 ^⑤	50 ^⑤
AC breaking capacity									
pf = 0.35	415V A	2000	3200	5780	6400	6400	6400	6400	6400
	500V A	2000	3200	4800	6400	6400	6400	6400	6400
	690V A	2000	3200	2800	2500 ^⑥	2500 ^⑥	4800 ^⑥	4800 ^⑦	4800 ^⑦
DC breaking capacity/poles in series									
L/R = 15ms, 3 pole in series									
48V	A	1000/2	—	—	—	—	—	—	—
110V	A	1000/2	—	—	—	—	—	—	—
220V	A	1000/2	1600/2	2000/2	1900/2 ^④	2600/2 ^④	2600/2 ^④	2600/2 ^④	2600/2 ^④
440V	A	1000/3	1600	2000	—	—	—	—	—
750V	A	1000/4	—	—	—	—	—	—	—
Capacitor ratings	400/415V kVar	—	—	350	②	②	②	②	②
Rated capacitor duty	kA	—	—	500	②	②	②	②	②
Physical characteristics									
Electrical endurance at rated operational current, pf = 0.65	operation cycles	1000	1000	500	500	500	100 ^⑧	100 ^⑧	100 ^⑧
Mechanical endurance	operations	20,000	16,000	10,000	10,000	10,000	6000	6000	6000
Weight	3 pole kg	1.2	2.2	6.2	16.3	17.5	37	37	37
	4 pole kg	1.6	2.6	7.6	20.5	22.5	47	47	47
Dimension	3 pole H mm	212	216	485	485	636	636	636	636
	W mm	219	260	303	363	363	468	468	468
	D mm	92.5	130	130	125	125	271	271	271
Power loss per one pole	W	6.5	10	40	40	67	90	90	140
Shaft size — square □	mm	6 x 6	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
Switch operating torque for rotary 3 pole switches	Nm	7	16	21	21	21	50	50	50
Suitable conductor cross section Cu	mm ²	—	—	—	—	—	—	—	—
Bolt size		8 x 25	10 x 30	12 x 40	12 x 60	12 x 60	12 x 60	12 x 60	12 x 60
Auxiliary contacts		CDAUX_ _	CDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _	BDAUX_ _
Ratings according to IEC 947-5-1									
Rated voltage, U _i	VAC	690	690	690	690	690	690	690	690
Thermal rated current, I _{th}	A	16	16	10	10	10	10	10	10
AC12/DC12 I _e , A U _e =									
120V	A	—	—	—	8/—	8/—	8/—	8/—	8/—
125V	A	—	—	—	—/1.1	—/1.1	—/1.1	—/1.1	—/1.1
240V	A	6/—	6/—	6/—	6/—	6/—	6/—	6/—	6/—
250V	A	—	—	—/0.55	—/0.55	—/0.55	—/0.55	—/0.55	—/0.55
400V	A	4/—	4/—	4/—	4/—	4/—	4/—	4/—	4/—
415V	A	—	—	4/—	4/—	4/—	4/—	4/—	4/—
440V	A	—	—	—/0.31	—/0.31	—/0.31	—/0.31	—/0.31	—/0.31
480V	A	—	—	3/—	3/—	3/—	3/—	3/—	3/—
500V	A	—	—	3/0.27	3/0.27	3/0.27	3/0.27	3/0.27	3/0.27
600V	A	—	—	—/0.2	—/0.2	—/0.2	—/0.2	—/0.2	—/0.2
690V	A	2/—	2/—	2/—	2/—	2/—	2/—	2/—	2/—

- ② Not available at time of printing, please consult factory.
- ③ Size 4.
- ④ Maximum distance between busbar support and switch terminal 70mm.
- ⑤ pf 0.95.
- ⑥ pf 0.65.
- ⑦ IEC 947-3, utilization category B, infrequent operation.



Disconnect Switches

30A – 800A Enclosed Fusible Disconnect Switches



EFJ30X-3PB6

3 Pole[®], 600V, 30A - 3150A

NEMA / UL Enclosure type

UL general purpose amp rating	Fuse type	NEMA / UL Enclosure type					
		1 Catalog number	3R Catalog number	4 Catalog number	4X Stainless Catalog number	4X Plastic Catalog number	12 Catalog number
30	J	EFJ301-3PB6	EFJ303-3PB6	EFJ304-3PB6	EFJ30X-3PB6	EFJ30P-3PB6	EFJ302-3PB6
30	CC	EFC301-3PB6	EFC303-3PB6	EFC304-3PB6	EFC30X-3PB6	EFC30P-3PB6	EFC302-3PB6
60	J	EFC601-3PB6	EFC303-3PB6	EFC604-3PB8	EFC60X-3PB8	EFJ60P-3PB8	EFJ602-3PB6
100	J	EFJ1001-3PB8	EFJ1003-3PB8	EFJ1004-3PB8	EFJ100X-3PB8	EFJ100P-3PB8	EFJ1002-3PB8
200	J [®]	EFJ2001-3PB8C	EFJ2003-3PB8C	EFJ2004-3PB8C	EFJ200X-3PB8C	EFJ200P-3PB8C	EFJ2002-3PB8C
400	J [®]	EFJ4001-3PB4	EFJ4003-3PB4	EFJ4004-3PB4	EFJ400X-3PB4	EFJ400P-3PB4	EFJ4002-3PB4
600	J [®]	EFJ6001-3PB4	EFJ6003-3PB4	EFJ6004-3PB4	EFJ600X-3PB4	EFJ600P-3PB4	EFJ6002-3PB4
800	L	EFJ8001-3PB4	EFJ8003-3PB4	EFJ8004-3PB4	EFJ800X-3PB4	EFJ800P-3PB4	EFJ8002-3PB4

Switch ratings

UL general purpose amp rating	Maximum horsepower rating								Wire size for terminal lugs	For wire type	Approval ^①
	Single phase			Three phase							
	120V	200V	240V	200V	208V	240V	480V	600V			
30	2	3	5	5	7.5	7.5	15	20	#18 – 8	Cu	cULus, UL
60	3	7.5	10	15	15	15	30	50	#14 – 4	Cu	cULus, UL
100	5	10	15	25	25	30	60	75	#14 – 2/0	Cu/Al	cULus, UL
200	—	—	—	50	50	60	125	150	#4 – 300 kcmil	Cu/Al	cULus, UL
400	—	—	—	100	125	125	250	350	#2 – 600 kcmil	Cu/Al	cULus, UL
600	—	—	—	150	150	200	400	500	(2) #2 – 600 kcmil	Cu/Al	cULus, UL
800	—	—	—	200	200	250	500	600	(2) #2 – 600 kcmil	Cu/Al	cULus, UL

① Fusible switches are UL Listed to the UL98 standard.

② 600V T type fuse clips may be substituted at no charge. Please change the second character of the catalog number from "J" to "T."

30A – 800A Enclosed Fusible Disconnect Switches

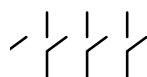
30A – 800A

UL general purpose amp rating	Type of Switch	NEMA / UL Enclosure type					
		1	3R	4	4X Stainless	4X Plasti	12
		Catalog number	Catalog number	Catalog number	Catalog number	Catalog number	Catalog number
30 (J fuses)	4 Pole ^①	EFJ301-4PB6	EFJ303-4PB6	EFJ304-4PB6	EFJ30X-4PB6	EFJ30P-4PB6	EFJ302-4PB6
	6 Pole	EFJ301-6PB6	EFJ303-6PB6	EFJ304-6PB6	EFJ30X-6PB	EFJ30P-6PB6	EFJ302-6PB6
30 (CC fuses)	4 Pole ^①	EFC301-4PB6	EFC303-4PB6	EFC304-4PB6	EFC30X-4PB6	EFC30P-4PB6	EFC302-4PB6
	6 Pole	EFC301-6PB6	EFC303-6PB6	EFC304-6PB6	EFC30X-6PB6	EFC30P-6PB6	EFC302-6PB6
60	4 Pole ^①	EFJ601-4PB6	EFJ603-4PB6	EFJ604-4PB6	EFJ60X-4PB6	EFJ60P-4PB6	EFJ602-4PB6
	6 Pole	EFJ601-6PB4	EFJ603-6PB4	EFJ604-6PB4	EFJ60X-6PB4	EFJ60P-6PB4	EFJ602-6PB4
100	2 Pole ^①	EFJ1001-2PB8	EFJ1003-2PB8	EFJ1004-2PB8	EFJ100X-2PB8	EFJ100P-2PB8	EFJ1002-2PB8
	4 Pole ^①	EFJ1001-4PB8	EFJ1003-4PB8	EFJ1004-4PB8	EFJ100X-4PB8	EFJ100P-4PB8	EFJ1002-4PB8
	6 Pole	EFJ1001-6PB4	EFJ1003-6PB4	EFJ1004-6PB4	EFJ100X-6PB4	EFJ100P-6PB4	EFJ1002-6PB4
200	4 Pole ^①	EFJ2001-4PB8C	EFJ2003-4PB8C	EFJ2004-4PB8C	EFJ200X-4PB8C	EFJ200P-4PB8C	EFJ2002-4PB8C
	6 Pole	—	—	—	—	—	—
400	2 Pole ^①	EFJ4001-2PB4	EFJ4003-2PB4	EFJ4004-2PB4	EFJ400X-2PB4	EFJ400P-2PB4	EFJ4002-2PB4
	4 Pole ^①	EFJ4001-4PB4	EFJ4003-4PB4	EFJ4004-4PB4	EFJ400X-4PB4	EFJ400P-4PB4	EFJ4002-4PB4
	6 Pole	EFJ4001-6P8	EFJ4003-6P8	EFJ4004-6P8	EFJ400X-6P8	EFJ400P-6P8	EFJ4002-6P8
600	2 Pole ^①	EFJ6001-2PB4	EFJ6003-2PB4	EFJ6004-2PB4	EFJ600X-2PB4	EFJ600P-2PB4	EFJ6002-2PB4
	4 Pole ^①	EFJ6001-4PB4	EFJ6003-4PB4	EFJ6004-4PB4	EFJ600X-4PB4	EFJ600P-4PB4	EFJ6002-4PB4
	6 Pole	EFJ6001-6P8	EFJ6003-6P8	EFJ6004-6P8	EFJ600X-6P8	EFJ600P-6P8	EFJ6002-6P8
800	2 Pole ^①	EFL8001-2PB4	EFL8003-2PB4	EFL8004-2PB4	EFL800X-2PB4	EFL800P-2PB4	EFL8002-2PB4
	4 Pole ^①	EFL8001-4PB4	EFL8003-4PB4	EFL8004-4PB4	EFL800X-4PB4	EFL800P-4PB4	EFL8002-4PB4
	6 Pole	EFL8001-6P8	EFL8003-6P8	EFL8004-6P8	EFL800X-6P8	EFL800P-6P8	EFL8002-6P8

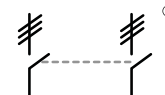
2 Pole



4 Pole



6 Pole



Handle ratings

Amperage range	Style type	NEMA	Color	Marking	Defeatable	Padlockable	Catalog number suffix	Catalog number
30	Selector	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	BJ	CDH5S
	Selector	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	YJ	CDH6S
	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B6	BDH106
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y6	BDH107
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B6	CDHXB65
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y6	CDHXY65
60 – 100 and 200A 3 & 4 Pole	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B6	BDH58
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y6	BDH59
	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B8	BDH60
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y8	BDH61
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B8	CDHXB86
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y8	CDHXY86
400A – 800A	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B4	BDH114
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y4	BDH115
	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B7	BDH116
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y7	BDH117
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B4	CDHXB12
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y4	CDHXY12
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B7	CDHXB22
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y7	CDHXY22
	Pistol	1,3R,4,4X,12	Metal	0/I & OFF/ON	No	Yes	8	BDH8

Disconnect Switches

① Fusible switches are UL Listed to the UL98 standard.

② 600V T type fuse clips may be substituted at no charge. Please change the second character of the catalog number from "J" to "T."

Approximate Dimensions for Enclosed Fusible Disconnect Switches

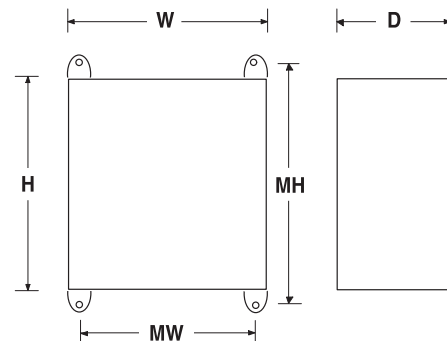
16A – 3150A NF; 30A – 800A F

2, 3 & 4[®] Pole Fusible switch

Frame Size	Enclosure type	H Height	W Width	D Depth	MH Mtg Height	MW Mtg Width	Weight
CFD30_	1	10.00	8.00	5.00	7.00	7.00	12.0
	3R	10.00	8.00	5.00	10.75	6.00	12.0
	4	10.00	8.00	6.00	10.75	6.00	12.0
	4X SS	10.00	8.00	5.00	10.75	6.00	12.0
	4X Plastic	10.00	8.00	5.90	10.75	6.00	8.0
12	10.00	8.00	5.00	10.75	6.00	12.0	
CFD60_	1	10.00	8.00	6.00	7.00	7.00	13.0
	3R	10.00	8.00	6.00	10.75	6.00	13.0
	4	10.00	8.00	6.00	10.75	6.00	13.0
	4X SS	10.00	8.00	6.00	10.75	6.00	13.0
	4X Plastic	10.00	8.00	5.90	10.75	6.00	9.0
12	10.00	8.00	6.00	10.75	6.00	13.0	
CFD100_	1	14.00	12.00	8.00	11.00	9.00	22.00
	3R	14.00	12.00	8.00	14.75	10.00	22.00
	4	14.00	12.00	8.00	14.75	10.00	22.00
	4X SS	14.00	12.00	8.00	14.75	10.00	22.00
	4X Plastic	14.00	12.00	8.00	14.75	10.00	16.00
12	14.00	12.00	8.00	14.75	10.00	22.00	
CFD200_	1	24.00	16.00	8.00	25.50	18.50	75.00
	3R	24.00	16.00	8.00	25.50	18.50	75.00
	4	24.00	16.00	8.00	25.50	18.50	75.00
	4X SS	24.00	16.00	8.00	25.50	18.50	75.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	24.00	16.00	10.00	25.50	18.00	75.00	
FD400_	1	44.00	22.00	11.00	45.50	20.50	150.00
	3R	44.00	22.00	11.00	49.50	20.50	150.00
	4	48.00	24.00	12.00	49.50	22.50	150.00
	4X SS	48.00	24.00	12.00	49.50	22.50	150.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	44.00	22.00	11.00	45.50	20.50	150.00	
FD600_	1	44.00	22.00	11.00	45.50	20.50	150.00
	3R	44.00	22.00	11.00	49.50	20.50	150.00
	4	48.00	24.00	12.00	49.50	22.50	150.00
	4X SS	48.00	24.00	12.00	49.50	22.50	150.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	44.00	22.00	11.00	45.50	20.50	150.00	
FD800_	1	48.00	24.00	12.00	49.50	22.50	170.00
	3R	48.00	24.00	12.00	49.50	22.50	170.00
	4	48.00	24.00	12.00	49.50	22.50	170.00
	4X SS	48.00	24.00	12.00	49.50	22.50	170.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	48.00	24.00	12.00	49.50	22.50	170.00	

6 Pole Fusible switches

Frame Size	Enclosure type	H Height	W Width	D Depth	MH Mtg Height	MW Mtg Width	Weight
CFD30_	1	14.00	12.00	8.00	11.00	9.00	22.00
	3R	14.00	12.00	8.00	14.75	10.00	22.00
	4	14.00	12.00	8.00	14.75	10.00	22.00
	4X SS	14.00	12.00	8.00	14.75	10.00	22.00
	4X Plastic	14.00	12.00	8.00	14.75	10.00	16.00
12	14.00	12.00	8.00	14.75	10.00	22.00	
CFD60_	1	20.00	20.00	8.00	21.50	18.50	60.00
	3R	20.00	20.00	8.00	21.50	18.50	60.00
	4	20.00	20.00	8.00	21.50	18.50	60.00
	4X SS	20.00	20.00	8.00	21.50	18.50	60.00
	4X Plastic	24.00	16.00	10.00	—	—	60.00
12	20.00	20.00	8.00	21.50	18.50	60.00	
CFD100_	1	20.00	20.00	8.00	21.50	18.50	60.00
	3R	20.00	20.00	8.00	21.50	18.50	60.00
	4	20.00	20.00	8.00	21.50	18.50	60.00
	4X SS	20.00	20.00	8.00	21.50	18.50	60.00
	4X	24.00	16.00	10.00	21.50	18.50	60.00
12	20.00	20.00	8.00	21.50	18.50	60.00	
CFD200_	1	36.00	30.00	12.00	37.50	28.50	100.0
	3R	36.00	30.00	12.00	37.50	28.50	100.0
	4	36.00	30.00	12.00	37.50	28.50	100.0
	4X SS	36.00	30.00	12.00	37.50	28.50	100.0
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	36.00	30.00	12.00	37.50	28.50	100.0	
FD400_	1	48.00	36.00	16.00	49.50	34.50	220.00
	3R	48.00	36.00	16.00	49.50	34.50	220.00
	4	48.00	36.00	16.00	49.50	34.50	220.00
	4X SS	48.00	36.00	16.00	49.50	34.50	220.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	48.00	36.00	16.00	49.50	34.50	220.00	
FD600_	1	48.00	36.00	16.00	49.50	34.50	230.00
	3R	48.00	36.00	16.00	49.50	34.50	230.00
	4	48.00	36.00	16.00	49.50	34.50	230.00
	4X SS	48.00	36.00	16.00	49.50	34.50	230.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	48.00	36.00	16.00	49.50	34.50	230.00	
FD800_	1	48.00	36.00	16.00	49.50	34.50	230.00
	3R	48.00	36.00	16.00	49.50	34.50	230.00
	4	48.00	36.00	16.00	49.50	34.50	230.00
	4X SS	48.00	36.00	16.00	49.50	34.50	230.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
12	48.00	36.00	16.00	49.50	34.50	230.00	



⓪ Please consult factory.
 ⓪ Some 4-pole switches require larger enclosures. Please consult factory

16A – 3150A Enclosed Non-fusible Disconnect Switches



3 Pole, 600V, 16A – 100A — Selector handle

UL general purpose amp rating	NEMA Enclosure type			
	1	3R	4 ^① Selector handles are only NEMA rated 1, 3R, 12	4X Stainless ^① Selector handles are only NEMA rated 1, 3R, 12
	Catalog number	Catalog number	Catalog number	Catalog number
16	ENF161-3PBJ	ENF163-3PBJ	ENF164-3PBJ	ENF16X-3PBJ
25	ENF251-3PBJ	ENF253-3PBJ	ENF254-3PBJ	ENF25X-3PBJ
40	ENF321-3PBJ	ENF323-3PBJ	ENF324-3PBJ	ENF32X-3PBJ
60	ENF451-3PBJ	ENF453-3PBJ	ENF454-3PBJ	ENF45X-3PBJ
80	ENF631-3PBJ	ENF633-3PBJ	ENF634-3PBJ	ENF63X-3PBJ

3 Pole, 600V, 16A – 3150A — Pistol handle

UL general purpose amp rating	NEMA Enclosure type				
	1	3R	4	4X Stainless	
	Catalog number	Catalog number	Catalog number	Catalog number	
UL 508	16	ENF161-3PB6	ENF163-3PB6	ENF164-3PB6	ENF16X-3PB6
	25	ENF251-3PB6	ENF253-3PB6	ENF254-3PB6	ENF25X-3PB6
	40	ENF321-3PB6	ENF323-3PB6	ENF324-3PB6	ENF32X-3PB6
	60	ENF451-3PB6	ENF453-3PB6	ENF454-3PB6	ENF45X-3PB6
	80	ENF631-3PB6	ENF633-3PB6	ENF634-3PB6	ENF63X-3PB6
UL 98	30	ENF301-3PB6	ENF303-3PB6	ENF304-3PB6	ENF30X-3PB6
	60	ENF601-3PB6	ENF603-3PB6	ENF604-3PB6	ENF60X-3PB6
	100	ENF1001-3PB6	ENF1003-3PB6	ENF1004-3PB6	ENF100X-3PB6
	125	ENF1251-3PB6	ENF1253-3PB6	ENF1254-3PB6	ENF125X-3PB6
	200	ENF2001-3PB8B	ENF2003-3PB8B	ENF2004-3PB8B	ENF200X-3PB8B
	400	ENF4001-3PB4B	ENF4003-3PB4B	ENF4004-3PB4B	ENF400X-3PB4B
	600	ENF6001-3PB4	ENF6003-3PB4	ENF6004-3PB4	ENF600X-3PB4
	800	ENF8001-3PB4	ENF8003-3PB4	ENF8004-3PB4	ENF800X-3PB4
	1200	ENF12001-3PB4	ENF12003-3PB4	ENF12004-3PB4	ENF1200X-3PB4
	1600	ENF16001-3P8	ENF16003-3P8	ENF16004-3P8	ENF1600X-3P8
2000	ENF20001-3P8	ENF20003-3P8	ENF20004-3P8	ENF2000X-3P8	
3150 ^②	ENF31501-3P8	ENF31503-3P8	ENF31504-3P8	ENF3150X-3P8	

Disconnect Switches

① Enclosures are rated as listed, selector handles are only NEMA rated 1, 3R, 12. The overall NEMA rating of an enclosed switch with a selector handle is 1, 3R, 12.
 ② IEC rated only.

16A – 3150A Enclosed Non-fusible Disconnect Switches



3 Pole, 600V, 16A – 100A — Selector handle

UL general purpose amp rating	NEMA Enclosure type		IEC Enclosure type
	4X Plastic^① Selector handles are only NEMA rated 1, 3R, 12	12	IP65 Plastic
	Catalog number	Catalog number	Catalog number
16	ENF16P-3PBJ	ENF162-3PBJ	ENF16E-3PBJ A or B
25	ENF25P-3PBJ	ENF252-3PBJ	ENF25E-3PBJ
40	ENF32P-3PBJ	ENF322-3PBJ	ENF32E-3PBJ
60	ENF45P-3PBJ	ENF452-3PBJ	ENF45E-3PBJ
80	ENF63P-3PBJ	ENF632-3PBJ	ENF63E-3PBJ

3 Pole, 600V, 16A – 3150A — Pistol handle

UL general purpose amp rating	NEMA Enclosure type		IEC Enclosure type
	4X Plastic	12	IP65 Plastic
	Catalog number	Catalog number	Catalog number
16	ENF16P-3PB6	ENF162-3PB6	ENF16E-3PB4
25	ENF25P-3PB6	ENF252-3PB6	ENF25E-3PB4
40	ENF32P-3PB6	ENF322-3PB6	ENF32E-3PB4
60	ENF45P-3PB6	ENF452-3PB6	ENF45E-3PB4
80	ENF63P-3PB6	ENF632-3PB6	ENF63E-3PB4
30	ENF30P-3PB6	ENF302-3PB6	ENF30E-3PB6
60	ENF60P-3PB6	ENF602-3PB6	ENF60E-3PB6
100	ENF100P-3PB6	ENF1002-3PB6	ENF100E-3PB6
125	ENF125P-3PB6	ENF1252-3PB6	ENF125E-3PB6
200	ENF200P-3PB8B	ENF2002-3PB8B	—
400	ENF400P-3PB4B	ENF4002-3PB4B	—
600	ENF600P-3PB4	ENF6002-3PB4	—
800	ENF800P-3PB4	ENF8002-3PB4	—
1200	ENF1200P-3PB4	ENF12002-3PB4	—
1600	ENF1600P-3P8	ENF16002-3P8	—
2000	ENF2000P-3P8	ENF20002-3P8	—
3150 ^②	ENF3150P-3P8	ENF31502-3P8	—

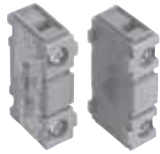
NOTE: All enclosed switches are provided with a black handle; however, most handles can be substituted with a red and yellow handle if desired. Please substitute the handle suffix code (2nd and 3rd from last characters) with the red/yellow handle catalog number suffix from page 3.12. There is no additional price adder for changing to a red/yellow handle of equal ratings and style.

EXAMPLE: A red/yellow selector handle for an NF161-3PBJA can be substituted for the black selector handle by using the "YJ" suffix instead of the "BJ" suffix, new catalog #NF161-3PYJA.

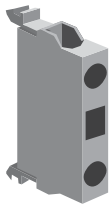
^① Enclosures are rated as listed, selector handles are only NEMA rated 1, 3R, 12. The overall NEMA rating of an enclosed switch with a selector handle is 1, 3R, 12.
^② IEC rated only.

Accessories for Enclosed Non-fusible Disconnect Switches

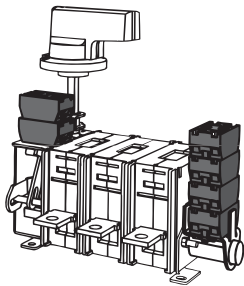
Other Configurations



CDAUX__



CDAUXCA__



BDAUX__



3 Position selector switch



Pilot light

Auxiliary contacts

For use on:	Contact configuration	Catalog number	Installation suffix
16A – 100A	1 N.O.	CDAUX10	add "10" suffix
	1 N.C.	CDAUX01	add "01" suffix
125A	1 N.O.	CDAUXCA10	add "10" suffix
	1 N.C.	CDAUXCA01	add "01" suffix
200A-400A	1 N.O.	CDAUX10	add "10" suffix
	1 N.C.	CDAUX01K	add "01" suffix
600A –800A	1 N.O. & 1 N.C.	BDAUX1	add "11" suffix
	2 N.O. & 2 N.C.	BDAUX2	add "22" suffix

Accessories

For use on:	Contact configuration	Installation suffix
16, 25, 40A	Neutral or isolated ground block	N or G
40A – 60A	Neutral or isolated ground block	N or G
80A – 100A	Neutral or isolated ground block	N or G
125A	Neutral or isolated ground block	N or G
200A – 1200A	Neutral block	N
1600A – 3150A	Neutral block	N
16A – 30A	Switched neutral block	S
40A – 60A	Switched neutral block	S
80A – 100A	Switched neutral block	S
125A	Switched neutral block	S
80A – 1200A	Service entrance, 3 wire	U
80A – 1200A	Service entrance, 4 wire	V
16A – 3150A	Start/stop pushbuttons	A
	2 position selector switch	C
	3 position selector switch	D
	Pilot light "red/run"	E
	Ammeter 1 phase	AM
	Voltmeter	VM

Ground lugs

All enclosed switches are provided with a standard integral ground lug.

Switch size	Ground lug Wire size
16A – 100A	(2) #14
200A – 400A	#6 – 250 mcm
600A – 1200A	#2 – 600 mcm
2000A – 3150A	(2) #2 – 600 mcm

Technical Data for Enclosed Non-fusible Disconnect Switches

Switch ratings, 16 – 3150 Amps, 600V

UL General purpose amp rating	Maximum horsepower rating							Wire size for terminal lugs	For wire type	Approval	
	Single phase			Three phase							
	120V	200V	240V	200V – 208V	240V	480V	600V				
UL 508	16	1/2	1.5	1.5	3	5	10	10	#18 – 8	Cu	cULus, UL ^①
	25	3/4	2	2	7.5	7.5	15	20	#18 – 8	Cu	cULus, UL ^①
	40	1	3	3	10	10	20	25	#18 – 8	Cu	cULus, UL ^①
	60	2	5	5	15	15	30	30	#14 – 1	Cu	cULus, UL ^①
	80	2	5	5	20	20	40	50	#14 – 1	Cu	cULus, UL ^①
UL 98	30	2	5	5	10	10	20	30	#14 – 4	Cu	cULus, UL ^②
	60	3	7.5	7.5	20	20	40	40	#14 – 4	Cu	cULus, UL ^②
	100	5	15	15	25	25	50	40	#8 – 1/0	Cu	cULus, UL ^②
	125	7.5	20	20	30	30	60	75	#8 – 1/0	Cu	cULus, UL ^②
	200	—	—	—	60	75	150	200	#6 – 300 kcmil	Cu	cULus, UL ^②
	400	—	—	—	100	125	250	350	#2 – 600 kcmil	Cu	cULus, UL ^②
	600	—	—	—	150	200	400	500	(2) #2 – 600 kcmil	Cu	cULus, UL ^②
	800	—	—	—	200	250	500	600	(2) #2 – 600 kcmil	Cu/Al	cULus, UL ^②
	1200	—	—	—	—	—	—	—	(4) #2 – 600 kcmil	Cu/Al	cULus, UL ^②
	1600	—	—	—	—	—	—	—	(4) #2 – 600 kcmil	Cu/Al	cULus, UL ^②
2000	—	—	—	—	—	—	—	(8) #2 – 600 kcmil	Cu/Al	cULus, UL ^②	
3150 ^③	—	—	—	—	—	—	—	(8) #2 – 600 kcmil	Cu/Al	IEC	

Handle ratings, 16 – 3150 Amps, 600V

Amperage range	Style type	NEMA	Color	Marking	Defeatable	Padlockable	Catalog number suffix	Catalog number
16 – 100	Selector	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	BJ	CDH5S
	Selector	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	YJ	CDH6S
	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B6	BDH106
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y6	BDH107
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B6	CDHXB65
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y6	CDHXY65
125	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B6	BDH120
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y6	BDH121
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B8	CDHXB86
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y8	CDHXY86
200	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B8	BDH60
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y8	BDH61
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B8	CDHXB86
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y8	CDHXY86
400 – 3150	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B4	BDH114
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y4	BDH115
	Pistol	1,3R,12	Black	0/I & OFF/ON	Yes	Yes	B7	BDH116
	Pistol	1,3R,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y7	BDH117
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B4	CDHXB12
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y4	CDHXY12
	Pistol	1,3R,4,4X,12	Black	0/I & OFF/ON	Yes	Yes	B7	CDHXB22
	Pistol	1,3R,4,4X,12	Red/Yel	0/I & OFF/ON	Yes	Yes	Y7	CDHXY22
	Pistol	1,3R,4,4X,12	Metal	0/I & OFF/ON	No	Yes	8	BDH8

① UL Listed (UL508).

② UL Listed (UL98).

③ IEC rated only.

Approximate Dimensions for Enclosed Non-fusible Disconnect Switches

2, 3 & 4³Pole Non-fusible switches

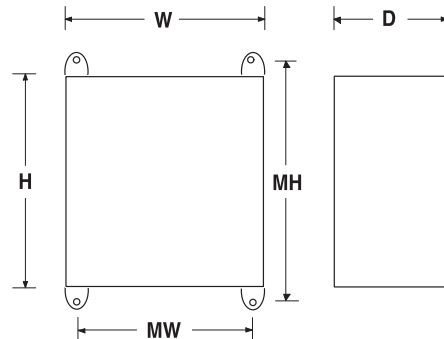
Frame Size	Enclosure type	H Height	W Width	D Depth	MH Mig Height	MW Mig Width	Weight
CDNF16 CDNF25 CDNF32	1	7.0	5.0	3.0	4.0	4.0	4.0
	3R	7.0	5.0	3.0	7.75	3.0	4.0
	4	6.0	6.0	4.0	6.75	4.0	4.0
	4X SS	7.0	5.0	3.0	7.75	3.0	4.0
	4X Plastic	6.0	6.0	5.9	6.75	4.0	4.0
	12	7.0	5.0	3.0	7.75	3.0	4.0
CDNF45 CDNF63 CDNF30 CDNF60	1	8.0	6.0	4.0	7.0	5.0	6.0
	3R	8.0	6.0	4.0	8.75	4.0	6.0
	4	8.0	6.0	4.0	8.75	4.0	6.0
	4X SS	8.0	6.0	4.0	8.75	4.0	6.0
	4X Plastic	8.0	6.0	5.9	8.75	4.0	6.0
	12	8.0	6.0	4.0	8.75	4.0	6.0
CDNF100	1	10.0	8.0	5.0	7.0	7.0	9.0
	3R	10.0	8.0	5.0	10.75	6.0	9.0
	4	10.0	8.0	4.0	10.75	6.0	9.0
	4X SS	10.0	8.0	5.0	10.75	6.0	9.0
	4X Plastic	10.0	8.0	5.9	10.75	6.0	9.0
	12	10.0	8.0	5.0	10.75	6.0	9.0
CDNF160	1	14.0	12.0	8.0	11.0	9.0	20
	3R	14.0	12.0	8.0	14.75	10.0	20
	4	14.0	12.0	6.0	14.75	10.0	20
	4X SS	14.0	12.0	8.0	14.75	10.0	20
	4X Plastic	14.0	12.0	5.9	14.75	10.0	12
	12	14.0	12.0	8.0	14.75	10.0	20
CDNF200	1	20.00	16.00	6.00	21.50	14.50	50.00
	3R	20.00	16.00	6.00	21.50	14.50	50.00
	4	20.00	16.00	6.00	21.50	14.50	50.00
	4X SS	20.00	16.00	6.00	21.50	14.50	50.00
	4X Plastic	24.00	16.00	10.00	25.50	14.50	40.00
	12	20.00	16.00	6.00	21.50	14.50	50.00
CDNF400 BDNF600	1	36.00	24.00	8.000	37.50	22.50	120.00
	3R	36.00	24.00	8.000	37.50	22.50	120.00
	4	36.00	24.00	8.000	37.50	22.50	120.00
	4X SS	36.00	24.00	8.000	37.50	22.50	130.00
	4X Plastic	39.31	30.60	13.80	38.00	24.00	1.00
	12	36.00	24.00	8.000	37.50	22.50	120.00
BDNF800 BDNF1200	1	60.00	36.00	12.00	61.50	34.50	200.00
	3R	60.00	36.00	12.00	61.50	34.50	200.00
	4	60.00	36.00	12.00	61.50	34.50	200.00
	4X SS	60.00	36.00	12.00	61.50	34.50	200.00
	12	60.00	36.00	12.00	61.50	34.50	200.00

6 Pole Non-fusible Enclosed switches

Frame Size	Enclosure type	H Height	W Width	D Depth	MH Mig Height	MW Mig Width	Weight
CDNF16 CDNF15 CDNF32	1	8.0	6.0	4.0	7.00	5.0	6.0
	3R	8.0	6.0	4.0	8.75	4.0	6.0
	4	8.0	6.0	4.0	8.75	4.0	6.0
	4X SS	8.0	6.0	4.0	8.75	4.0	6.0
	4X Plastic	6.0	6.0	5.9	8.75	4.0	6.0
	12	8.0	6.0	4.0	8.75	4.0	6.0
CDNF45 CDNF63	1	10.0	8.0	5.0	7.0	7.0	6.0
	3R	10.0	8.0	5.0	10.75	6.0	6.0
	4	10.0	8.0	6.0	10.75	6.0	6.0
	4X SS	10.0	8.0	5.0	10.75	6.0	6.0
	4X Plastic	10.0	8.0	7.9	10.75	6.0	6.0
	12	10.0	8.0	5.0	10.75	6.0	6.0
CDNF30 CDNF60 CDNF100	1	10.0	8.0	5.0	7.0	7.0	9.0
	3R	10.0	8.0	5.0	10.75	6.0	9.0
	4	10.0	8.0	6.0	10.75	6.0	9.0
	4X SS	10.0	8.0	5.0	10.75	6.0	9.0
	4X Plastic	10.0	8.0	7.9	10.00	0.0	9.0
	12	10.0	8.0	5.0	0.0	6.0	9.0
CDNF160	1	16.0	6.0	6.0	17.50	14.5	20
	3R	16.0	6.0	6.0	17.50	14.5	20
	4	16.0	6.0	6.0	17.50	14.5	20
	4X SS	16.0	6.0	6.0	17.50	14.5	20
	4X Plastic	16.0	14.0	8.0	16.75	12.0	20
	12	16.0	6.0	6.0	17.50	14.5	20
CDNF200	1	20.0	20.0	8.0	21.50	18.5	60
	3R	20.0	20.0	8.0	21.50	18.5	60
	4	20.0	20.0	8.0	21.50	18.5	60
	4X SS	20.0	20.0	8.0	21.50	18.5	60
	4X Plastic	24.0	20.0	10.0	25.50	18.0	60
	12	20.0	20.0	8.0	21.50	18.5	60
CDNF400 BDNF600	1	36.00	30.00	8.0	37.50	28.50	160.00
	3R	36.00	30.00	8.0	37.50	28.50	160.00
	4	36.00	30.00	8.0	37.50	28.50	160.00
	4X SS	36.00	30.00	8.0	37.50	28.50	160.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	36.00	30.00	8.0	37.50	28.50	160.00
BDNF800 BDNF1200	1	60.00	36.00	12.00	61.50	34.50	240.00
	3R	60.00	36.00	12.00	61.50	34.50	240.00
	4	60.00	36.00	12.00	61.50	34.50	240.00
	4X SS	60.00	36.00	12.00	61.50	34.50	240.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	60.00	36.00	12.00	61.50	34.50	240.00
BDNF1600 BDNF2000 BDNF3150	1	90.00	36.00	24.00	2.000	34.50	600.00
	3R	90.00	36.00	24.00	2.000	34.50	600.00
	4	⓪	⓪	⓪	⓪	⓪	⓪
	4X SS	⓪	⓪	⓪	⓪	⓪	⓪
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	90.00	36.00	24.00	⓪	⓪	600.00

Disconnect Switches

⓪ Please consult factory.
 ⓑ Enclosure is free standing.
 ⓒ Some 4-pole switches require larger enclosures. Please consult factory.



Approximate Dimensions for Enclosed Non-fusible Disconnect Switches

Mechanical Interlock for Non-Fusible Enclosed

Frame Size	Enclosure type	H Height	W Width	D Depth	MH Mtg Height	MW Mtg Width	Weight
CDNF16 CDNF15 CDNF32	1	10.0	8.0	6.0	10.8	6.0	4.0
	3R	10.0	8.0	6.0	10.8	6.0	4.0
	4	10.0	8.0	6.0	10.8	6.0	4.0
	4X SS	10.0	8.0	6.0	10.8	6.0	4.0
	4X Plastic	10.0	8.0	6.0	10.8	6.0	4.0
	12	10.0	8.0	6.0	10.8	6.0	4.0
	IP65 (A)	5.9	5.1	3.4	5.35	4.57	1.2
	IP65 (B)	—	—	—	—	—	—
CDNF45 CDNF63	1	10.00	8.00	5.00	7.00	7.00	6.0
	3R	10.00	8.00	5.00	10.75	6.00	6.0
	4	10.00	8.00	6.00	10.75	6.00	6.0
	4X SS	10.00	8.00	5.00	10.75	6.00	6.0
	4X Plastic	10.00	8.00	7.90	10.75	6.00	6.0
	12	10.00	8.00	5.00	10.75	6.00	6.0
	IP65 (A)	7.9	5.7	4.0	7.18	5.10	1.5
	IP65 (B)	—	—	—	—	—	—
CDNF30 CDNF60 CDNF100	1	10.0	8.0	5.0	7.0	7.0	9.0
	3R	10.0	8.0	5.0	10.75	6.0	9.0
	4	10.0	8.0	6.0	10.75	6.0	9.0
	4X SS	10.0	8.0	5.0	10.75	6.0	9.0
	4X Plastic	10.0	8.0	7.9	00.00	0.0	9.0
	12	10.0	8.0	5.0	0.0	6.0	9.0
	IP65 (A)	—	—	—	—	—	—
	IP65 (B)	—	—	—	—	—	—
CDNF160	1	14.0	12.0	8.0	10.00	9.0	20
	3R	14.0	12.0	8.0	14.75	10.5	20
	4	14.0	12.0	8.0	14.75	10.5	20
	4X SS	14.0	12.0	8.0	14.75	10.5	20
	4X Plastic	14.0	12.0	8.0	00.00	0.0	20
	12	14.0	12.0	8.0	14.75	10.5	20
CDNF200	1	20.0	20.0	8.0	21.50	18.5	60
	3R	20.0	20.0	8.0	21.50	18.5	60
	4	20.0	20.0	8.0	21.50	18.5	60
	4X SS	20.0	20.0	8.0	21.50	18.5	60
	4X Plastic	24.0	20.0	10.0	25.50	18.0	60
	12	20.0	20.0	8.0	21.50	18.5	60
CDNF400 BDNF600	1	36.00	30.00	8.000	37.50	28.50	160.00
	3R	36.00	30.00	8.000	37.50	28.50	160.00
	4	36.00	30.00	8.000	37.50	28.50	160.00
	4X SS	36.00	30.00	8.000	37.50	28.50	160.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	36.00	30.00	8.000	37.50	28.50	160.00
BDNF800 BDNF1200	1	60.00	36.00	12.00	61.50	34.50	240.00
	3R	60.00	36.00	12.00	61.50	34.50	240.00
	4	60.00	36.00	12.00	61.50	34.50	240.00
	4X SS	60.00	36.00	12.00	61.50	34.50	240.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	60.00	36.00	12.00	61.50	34.50	240.00
BDNF1600 BDNF2000 BDNF3150	1	90.00	36.00	24.00	2.000	34.50	600.00
	3R	90.00	36.00	24.00	2.000	34.50	600.00
	4	⓪	⓪	⓪	⓪	⓪	⓪
	4X SS	⓪	⓪	⓪	⓪	⓪	⓪
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	90.00	36.00	24.00	⓪	⓪	600.00

Transfer Switches for Non-Fusible Enclosed

Frame Size	Enclosure type	H Height	W Width	D Depth	MH Mtg Height	MW Mtg Width	Weight
CDNF16 CDNF15 CDNF32	1	8.0	6.0	4.0	3.0	5.0	4.0
	3R	8.0	6.0	4.0	6.75	4.0	4.0
	4	8.0	6.0	4.0	6.75	4.0	4.0
	4X SS	8.0	6.0	4.0	7.75	4.0	4.0
	4X Plastic	8.0	6.0	5.9	6.75	4.0	4.0
	12	8.0	6.0	4.0	6.75	4.0	4.0
	IP65 (A)	—	—	—	—	—	—
	IP65 (B)	—	—	—	—	—	—
CDNF45 CDNF63	1	14.0	12.0	8.0	7.00	7.0	6.0
	3R	14.0	12.0	8.0	10.75	6.0	6.0
	4	14.0	12.0	8.0	10.75	6.0	6.0
	4X SS	14.0	12.0	8.0	10.75	6.0	6.0
	4X Plastic	14.0	12.0	8.0	10.75	6.0	6.0
	12	14.0	12.0	8.0	10.75	6.0	6.0
	IP65 (A)	—	—	—	—	—	—
	IP65 (B)	—	—	—	—	—	—
CDNF30 CDNF60 CDNF100	1	14.0	12.0	8.0	14.75	10.0	9.0
	3R	14.0	12.0	8.0	14.75	10.0	9.0
	4	14.0	12.0	8.0	14.75	10.0	9.0
	4X SS	14.0	12.0	8.0	14.75	10.0	9.0
	4X Plastic	14.0	12.0	8.0	16.75	12.0	9.0
	12	14.0	12.0	8.0	14.75	10.0	9.0
	IP65 (A)	—	—	—	—	—	—
	IP65 (B)	—	—	—	—	—	—
CDNF160	1	20.0	16.0	6.0	21.50	14.5	20
	3R	20.0	16.0	6.0	21.50	14.5	20
	4	20.0	16.0	6.0	21.50	14.5	20
	4X SS	20.0	16.0	6.0	24.50	14.5	20
	4X Plastic	—	—	—	—	—	—
	12	20.0	16.0	6.0	24.50	14.5	20
CDNF200	1	20.0	20.0	8.0	21.50	18.5	20
	3R	20.0	20.0	8.0	21.50	18.5	20
	4	20.0	20.0	8.0	21.50	18.5	20
	4X SS	20.0	20.0	8.0	21.50	18.5	20
	4X Plastic	24.0	20.0	10.0	25.50	18.0	60
	12	20.0	20.0	8.0	21.50	18.5	20
CDNF400 BDNF600	1	36.00	30.00	8.000	37.50	28.50	160.00
	3R	36.00	30.00	8.000	37.50	28.50	160.00
	4	36.00	30.00	8.000	37.50	28.50	160.00
	4X SS	36.00	30.00	8.000	37.50	28.50	160.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	36.00	30.00	8.000	37.50	28.50	160.00
BDNF800 BDNF1200	1	60.00	36.00	12.00	61.50	34.50	240.00
	3R	60.00	36.00	12.00	61.50	34.50	240.00
	4	60.00	36.00	12.00	61.50	34.50	240.00
	4X SS	60.00	36.00	12.00	61.50	34.50	240.00
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	60.00	36.00	12.00	61.50	34.50	240.00
BDNF1600 BDNF2000 BDNF3150	1	90.00	36.00	24.00	⓪	⓪	600.00
	3R	90.00	36.00	24.00	⓪	⓪	600.00
	4	⓪	⓪	⓪	⓪	⓪	⓪
	4X SS	⓪	⓪	⓪	⓪	⓪	⓪
	4X Plastic	⓪	⓪	⓪	⓪	⓪	⓪
	12	90.00	36.00	24.00	⓪	⓪	600.00

Bypass Mechanisms for Non-Fusible Enclosed

Please consult factory for part numbers and dimensions.

⓪ Please consult factory, enclosures are sized to suit specific customer needs
 ② Enclosure is free standing.

