



DISTRIBUTION EQUIPMENT

DEDS SERIES

DISCONNECT SWITCHES • POLE / NON-FUSIBLE



Class II, Div. 1 & 2, Groups E, F, G
Class III
TYPE 3R, 4, 9 (E, F, G)



Listed - File E53290 Indoor/Outdoor



Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Features

(30-60-100 Amp Housing Styles)

- Bolted and gasketed cabinet type construction insures the exclusion of conductive or combustible dusts from entering the assembly. Enclosure and external handle is copper-free aluminum alloy (less than 1/10 of 1%)
- Cover bolts are stainless steel
- External handle is vault type with standard provisions for locking in the "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification. (Add suffix SU40 to catalog number)
- Cutler-Hammer Type-DS Switches
- Two cast conduit hubs; one top and one bottom
- Internal disconnect handle mechanism is a sliding plate mounted to the cover
- Aluminum lacquer paint finish is standard

Electrical Ratings

- 600VAC, 3 Pole, 50/60Hz



DISCONNECT SWITCHES • POLE / NON-FUSIBLE

DEDS DISCONNECT SWITCHES

CATALOG NUMBER				SWITCH RATING
ENCLOSURE WITH SWITCH	ENCLOSURE WITH SWITCH AND AUXILIARY CONTACTS	ENCLOSURE WITH SWITCH AND TWO AUXILIARY CONTACTS	ENCLOSURE ONLY (WITHOUT SWITCH OR AUXILIARY CONTACTS)	
DEDS-30	DEDS-30A	DEDS-30AA	DEDS-A	30 AMP
DEDS-60	DEDS-60A	DEDS-60AA	DEDS-B	60 AMP
DEDS-100	DEDS-100A	DEDS-100AA	DEDS-B	100 AMP

Auxiliary Switch Kits are available for separate control circuit applications. Each auxiliary switch has one normally open and one normally closed contact. Each switch includes three soldered, identified leads.

Rated 15 amps at 250 volts maximum.

DEDS ELECTRICAL RATINGS

SWITCH AMPERES	MAXIMUM HORSEPOWER—THREE PHASE—3-POLE				
	120 VAC	240 VAC	480 VAC	600 VAC	250 VDC
30	5	10	20	25	7-1/2
60	10	20	40	60	15
100	15	30	75	75	25

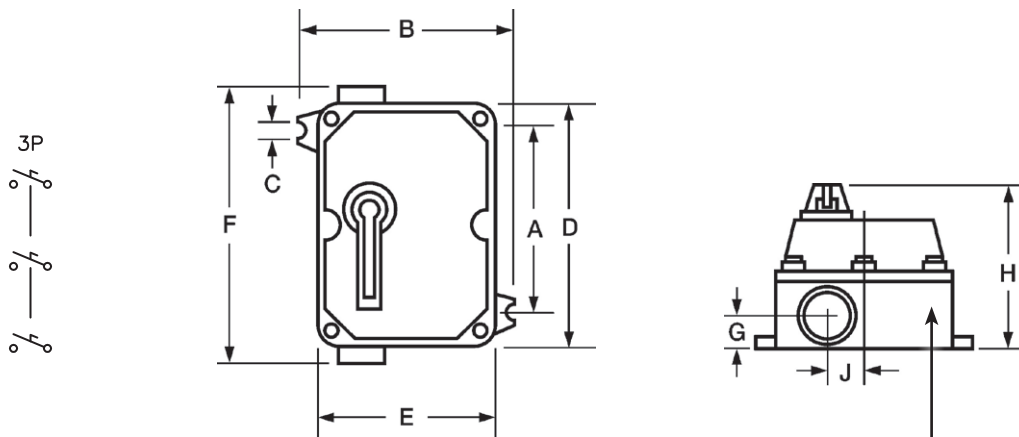
DEDS DIMENSIONS

ENCLOSURE CATALOG NUMBER	CONDUIT SIZE	A	B	C	D	E	F	G	H	J	EST. ENCL. WT. LBS (KG)
DEDS-A	1-1/4"	8-3/8" (213)	8-13/16" (224)	7/16" (11)	10-1/4" (260)	7-3/8" (187)	12-1/8" (308)	1-3/8" (35)	6-7/8" (175)	2" (51)	14.50 (6.57)
DEDS-B	2"	10-7/8" (276)	9-1/8" (232)	7/16" (11)	13-7/8" (252)	7-3/4" (197)	15-3/8" (391)	1-3/4" (44)	6-7/8" (175)	2" (51)	19.50 (8.84)

MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
SU3B-4X	Drain and breather
SU17	100 Amp solid neutral
SU40	Lock "on" for handle
KIT-251	100 Amp ground lug

DIMENSIONS



Note: Space for additional drill & top conduit opening. 1-1/4" for DEDS-A. 2" for DEDS-B. Also is location for SU3 drain and breather when required.



DISTRIBUTION EQUIPMENT

XEDS SERIES

DISCONNECT SWITCHES 3 POLE / NON-FUSIBLE



XEDS-30

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III
TYPE 7 (C, D) 9 (E, F, G)

 LISTED - File E53290 Indoor

 Certified - File LR1171
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Features

30-60-100 Amp Housing

- External handle is vault type with standard provisions for locking in "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification (add suffix SU40 to catalog number)
- Enclosure and external handle is cast copper-free aluminum alloy (less than 1/10 of 1%)
- Cover bolts are stainless steel
- Cutler-Hammer Type-DS Switches

30-60-100 Amp Housing

- Two cast conduit hubs; one top and one bottom
- Internal disconnect handle mechanism is a sliding plate mounted to the cover
- Aluminum lacquer paint finish is standard

Electrical Rating

- 600VAC, 3 Pole, 50/60Hz



DISCONNECT SWITCHES 3 POLE / NON-FUSIBLE

XEDS DISCONNECT SWITCHES				
CATALOG NUMBER				SWITCH RATING
ENCLOSURE WITH SWITCH	ENCLOSURE WITH SWITCH AND AUXILIARY CONTACTS	ENCLOSURE WITH SWITCH AND TWO AUXILIARY CONTACTS	ENCLOSURE ONLY (WITHOUT SWITCH OR AUXILIARY CONTACTS)	
XEDS-30	XEDS-30A	XEDS-30AA	XEDS-A	30
XEDS-60	XEDS-60A	XEDS-60AA	XEDS-B	60
XEDS-100	XEDS-100A	XEDS-100AA	XEDS-B	100

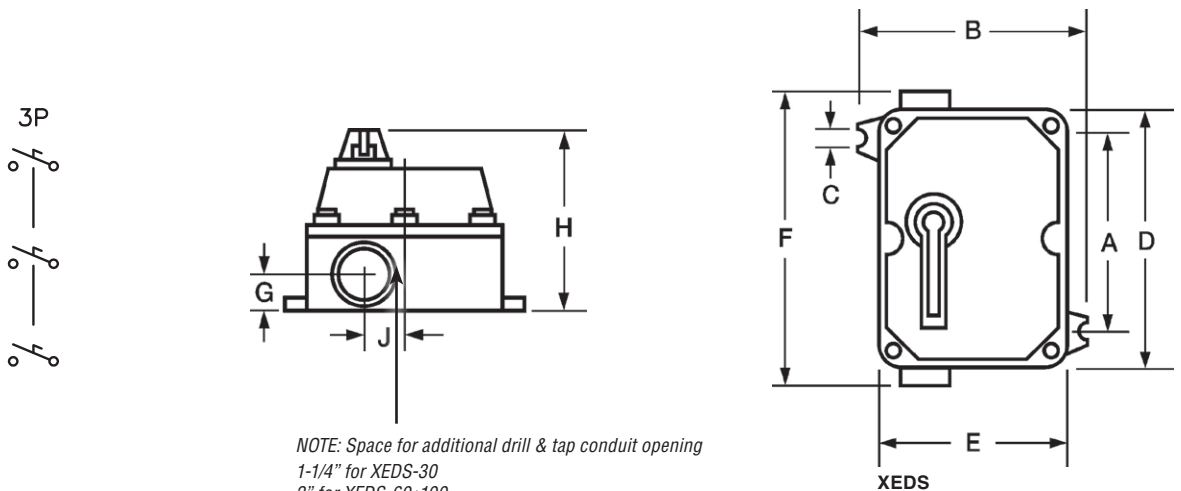
MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
SU3	Drain and breather
SU17	100 Amp solid neutral
SU18	225 Amp solid neutral
SU40	Lock "on" for handle
KIT-251	100 Amp ground lug

Auxiliary switch kits are available for separate control circuit applications. Each auxiliary switch has one normally open and one normally closed contact. Each switch includes three soldered, identified leads. Rated 15 amps at 250 volts maximum.

XEDS ELECTRICAL RATINGS					
SWITCH AMPERES	MAXIMUM HORSEPOWER – THREE PHASE – 3-POLE				
	120 VAC	240 VAC	480 VAC	600 VAC	250 VDC
30	5	10	20	25	7-1/2
60	10	20	40	60	15
100	15	30	75	75	25

XEDS DIMENSIONS											
CATALOG NUMBER	HUB SIZE	A	B	C	D	E	F	G	H	J	EST. ENCL. WT. LBS (KG)
XEDS-A	1-1/4"	8-3/8" (213)	8-3/4" (222)	7/16" (11)	10-1/4" (260)	7-3/8" (187)	11-7/8" (302)	1-3/8" (35)	6-7/8" (175)	2" (51)	11.0 (4.98)
XEDS-B	2"	10-7/8" (276)	9-1/8" (232)	7/16" (11)	13-7/8" (352)	7-3/4" (197)	16" (406)	1-3/4" (44)	7" (178)	2" (51)	17.0 (7.71)

DIMENSIONS



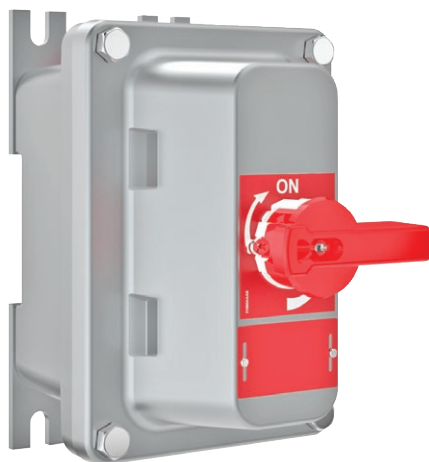
NOTE: Space for additional drill & tap conduit opening
 1-1/4" for XEDS-30
 2" for XEDS-60+100
 Also is location for SU3 drain and breather when requested.



DISTRIBUTION EQUIPMENT

B7NFD SERIES

COMPACT NON-FUSED DISCONNECT SWITCHES



B7NFD1



B7NFD2

Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+ H2, IIA
Class II, Div. 1 & 2, Groups E, F, G^①
Class III
TYPE 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)



Certified - File LR11714 Indoor/Outdoor

FEATURES-SPECIFICATIONS

PRISM® enclosures universal design accommodates the following manufacturers switches as standard:

- Advance Controls 14046 Series
- Allen-Bradley 194E Series (B7NFD1 only)
- ABB OT Series
- Cutler-Hammer R9 Series
- Sprecher + Schuh LA7 Series
- Ferraz Shawmut LBS Series

Advance Controls © Advance Controls Inc.

Allen-Bradley © Rockwell Automation

ABB © The ABB Group

Cutler-Hammer © Eaton Corporation

Sprecher + Schuh © Sprecher + Schuh

Features

- Compact size enclosures provide application flexibility with cost savings over industry standard sizes
- Fewer cover bolts reduces installation and maintenance time
- Gasketed flange with O-ring located in side bolt circle to seal out moisture
- Rotary handle style operating mechanism with lockout provision as standard

- Removable ductile mounting lugs adjust to irregular mounting surfaces
- Bodies have top and bottom drilled and tapped conduit entrances for power connection, with custom openings available

Materials

- Enclosures: Copper-free aluminum (less than 1/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- O-ring Gasket: Silicone
- Finish: Grey Powder Polyester painted exterior, electrostatically applied.
- Electrical rating: 600VAC, 30 - 100 Amp

ADAPTER KIT

- Required for Allen-Bradley and Sprecher + Schuh disconnects Order separately B7KIT - NRW

Electrical Rating

- 600VAC, 30 - 100 Amp 3 Pole



COMPACT NON-FUSED DISCONNECT SWITCHES

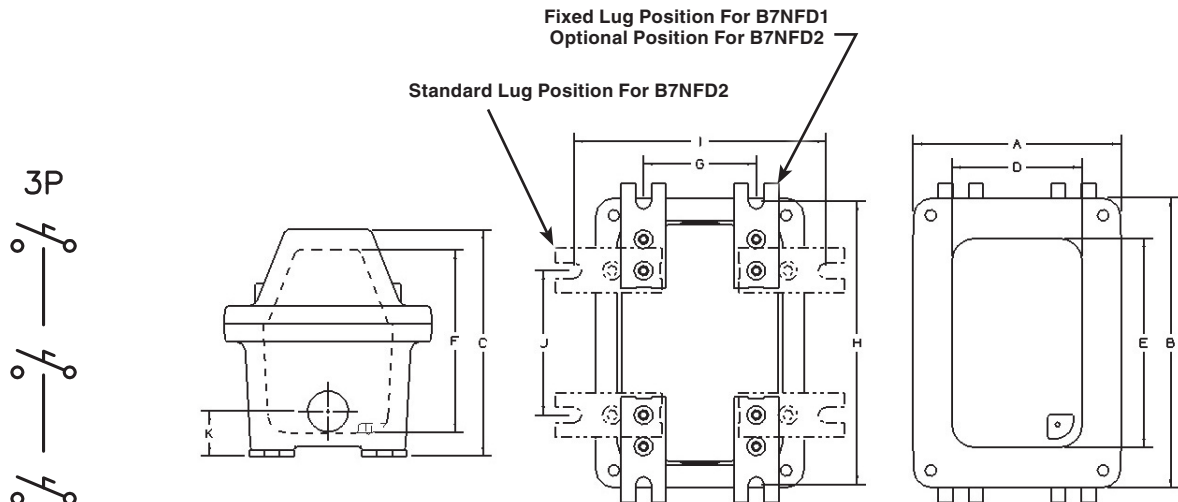
COMPACT NON-FUSED DISCONNECT SWITCHES											
CATALOG NUMBER		SWITCH RATING IEC/NEC		SINGLE PHASE HP		THREE PHASE HP				TERMINAL LUG SIZE (MM/AWG)	WEIGHT (KG/LBS)
ENCLOSURE ONLY	W/ABB SWITCH	AMPS	PHASE	120 VAC	230 VAC	208 VAC	230 VAC	480 VAC	600 VAC		
UL508 & IEC - Suitable for use in equipment or machinery as motor controllers & motor disconnect and are horsepower and ampere rated.											
B7NFD1	B7NFD16A	16/20	3	1	2	3	5	10	10	.75 - 10mm / #18 - 8 AWG	4.98 / 11
B7NFD1	B7NFD25A	25/30	3	1.5	3	7.5	7.5	15	20	.75 - 10mm / #18 - 8 AWG	4.98 / 11
B7NFD1	B7NFD32A	32/40	3	2	5	10	10	20	25	.75 - 10mm / #18 - 8 AWG	4.98 / 11
B7NFD1	B7NFD63A	63/60	3	2	5	15	15	30	30	1.5 - 35mm / #14 - 2 AWG	4.98 / 11
B7NFD2	B7NFD80A	80/80	3	2	5	20	20	40	40	1.5 - 35mm / #14 - 2 AWG	10.53 / 23.2
UL 98 & IEC - Suitable for use as motor disconnects or industrial control panel disconnects on service entrance equipment, panelboards, switchboards, industrial control equipment, motor control centers, etc. and are horsepower rated and ampere rated.											
B7NFD1	B7NFD13A	40/30	3	2	5	10	10	20	30	2.5 -25mm / #14 - 4 AWG	4.98 / 11
B7NFD2	B7NFD26A	63/60	3	3	7.5	20	20	40	40	2.5 -25mm / #14 - 4 AWG	10.53 / 23.2
B7NFD2	B7NFD21A	100/100	3	5	15	25	30	50	50	10 - 70mm / #8 - 2/0 AWG	10.53 / 23.2

** Use MN. 75°C wire

DIMENSIONS												
ENCLOSURE	OUTSIDE BOX DIMENSIONS (INCH/MM)			NOMINAL INSIDE BOX (INCH/MM)			MOUNTING DIMENSION (INCH/MM)					OUTLET
	A	B	C	D	E	F	G	H	I	J	K	
B7NFD1	5.75 (145)	8.0625 (205)	6.3125 (160)	3.625 (92)	5.8125 (148)	5.0625 (129)	3.125 (79)	8.125 (206)	NA	NA	1.25 (32)	1"
B7NFD2	8.125 (206)	13.0625 (332)	7.8125 (198)	4.25 (108)	9.1875 (233)	6.3125 (160)	2.50 (64)	11.375 (289)	6.375 (162)	7.50 (191)	1.8125 (46)	1½"

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
SU-2	SU-2 Hinge-9 Installed
SU-3B-4X	Drain/Breather NEMA 4X/7 B,C,D
SU-10B-4X	Drain NEMA 4X/7 B,C,D
SU-11B-4X	Breather NEMA 4X/7 B,C,D
SU9	Special paint finish
A*	1 NC+1NO Auxiliary
B7SPNPT	Change std. conduit size and location
SU14	Fungus proofing of enclosures

* NOTE: Only one auxiliary contact (Form C) will fit.





DISTRIBUTION EQUIPMENT EXBLTP-FDS SERIES

FUSED DISCONNECT SWITCHES



ATEX & IEC Ex

II 2 G Ex db IIB+H2 T6 CE 0518

II 2 D Ex tb IIIC T85°C IP66

Ta -50°C to +70°C

IECEX QPS 17.0013U

IECEX QPS 17.0014

CML17 ATEX (pending)

CML17 ATEX (pending)

NORTH AMERICA

Class I, Div. 1 & 2, Groups B, C & D;

Class I, Zone 1 & 2, Groups IIB+H2 IIA;

Class II, Div. 1 & 2, Groups E, F & G;

Class III, Encl. Type 4 & 4X

UL Ta = -25°C to +70°C

CSA Ta = -50°C to +70°C

UL Classified File E83969

CSA Certified File LR11716

TYPE 3, 4, 4X, 7 (B,C,D) 9 (E, F, G)

FEATURES-SPECIFICATIONS

Features

- New lighter (up to 35%) EXBLT enclosure, fewer cover bolts than our competitors, gasketed plate cover, 316 stainless steel cover bolts, ductile mounting lugs.
- UL98 Fused Disconnect Switch, Horsepower Rated.
- Available as 3 Pole switch.
- Auxiliary Contacts, accepts up to two contacts per side of switch.
- Switch has removable fuse clips, retaining the fuse for safe replacement.
- Solid Neutral, Detachable Neutral and Ground Terminal available as an option.
- Can be ordered with or without the switch, allows for field installation of switch while maintaining product certification.
- Switch operating handle can be padlocked in the "ON" or "OFF" position providing lockout/tagout protection.
- Conduit outlets top and bottom drilled and tapped for power connections, with custom openings available.

Materials

- Box: Molded from 356-T6 copper free aluminum, less than 1/10 of 1% copper alloy and less than 6% magnesium.
- Cover: Plate cover is made of 6061-T6 aluminum alloy.
- Hinges: Extruded aluminum with stainless steel pin hardware.
- Bolts: 316 Stainless Steel.
- Finish: Natural finish without paint.

Electrical Rating

- 600VAC, 3 Pole, 50/60Hz

EXBLTP-FDS FUSED DISCONNECT SWITCHES

UL98 & IEC - Suitable for use as motor disconnects or industrial control panel disconnects on service entrance equipment, panelboards, switchboards, industrial control equipment, motor control centers, etc. and are horsepower rated and ampere rated.

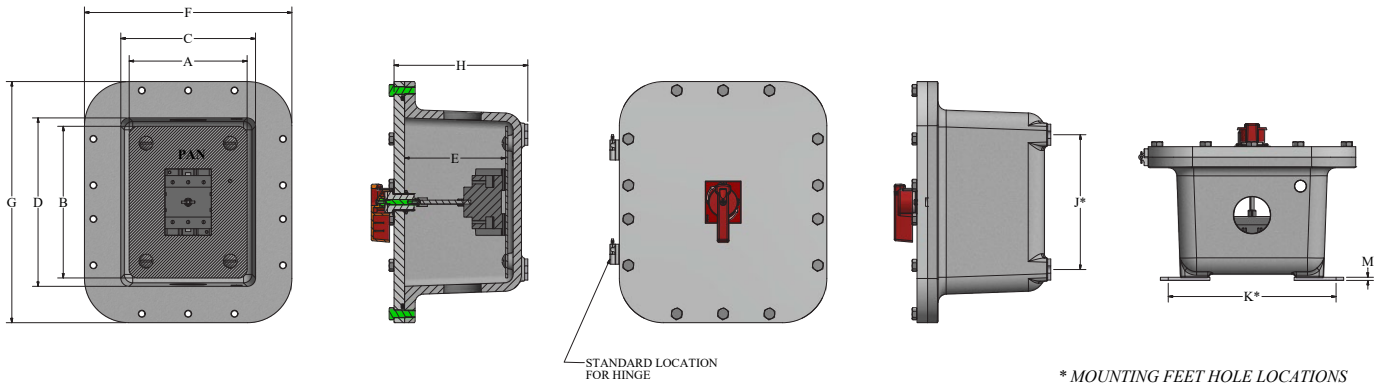
CATALOG NUMBER		SWITCH RATING IEC/NEC		SINGLE PHASE HP		THREE PHASE HP				TERMINAL LUG SIZE (MM/AWG)	WEIGHT (KG/LBS)	CONDUITS TOP/BOTTOM
EXBLTP	W/ ABB SWITCH	AMPS	TYPE	120 VAC	230 VAC	208 VAC	230 VAC	480 VAC	600 VAC			
686	EXBLTP-FDS-0303P	40/30	3 Pole	2	5	10	10	20	30	2.5 - 25mm/#14 - 4 AWG	23.7/10.8	(1) 1" (1) 1/2"
886	EXBLTP-FDS-0603P	63/60	3 Pole	3	7.5	20	20	40	40	2.5 - 25mm/#14 - 4 AWG	27.9/12.7	(1) 1-1/2" (1) 1/2"
12188	EXBLTP-FDS-1003P	100	3 Pole	1	15	25	30	50	50	#14AWG - 4 AWG	45.4/100	(1) 2" (1) 1/2"



DIMENSIONS

ENCLOSURE CATALOG NUMBER	INTERNAL DIMENSIONS - INCHES (MM)						EXTERNAL DIMENSIONS - INCHES (MM)		
	PAN		AVAILABLE EQUIPMENT SPACE				F	G	H ("P" PLATE)
	A	B	C	D	E ("P" PLATE)	E ("C" CAST)			
EXBLT-686 N4	5 (172)	7 (178)	8 (203)	6 (152)	6 (152)	6.32 (160)	10.25 (260)	12.25 (311)	7.88 (200)
EXBLT-886 N4	7 (178)	7 (178)	8 (203)	8 (203)	6 (152)	6.16 (156)	12.32 (313)	12.32 (313)	7.94 (202)
EXBLT-8106 N4	7 (178)	9 (229)	10 (254)	8 (203)	6 (152)	6.18 (157)	12.32 (313)	14.32 (364)	7.94 (202)
EXBLT-10108 N4	9 (229)	9 (229)	10.5 (267)	10.5 (267)	8 (203)	8.41 (214)	15.25 (387)	15.25 (387)	10.18 (259)

ENCLOSURE CATALOG NUMBER	MOUNTING DIMENSIONS - INCHES (MM)						CONDUIT AREA - INCHES (MM)				
	I	J	K	L	M	SLOT WIDTH	SIDE WALL		CENTER	TOP & BOTTOM WALL	
							O	Q	R	S	U
EXBLT-686 N4	N/A	4 (1002)	7.88 (200)	N/A	0.19 (5)	0.44 (11)	4.81 (122)	6.59 (167)	3.78 (96)	4.81 (122)	4.59 (167)
EXBLT-886 N4	N/A	6 (152)	9.88 (251)	N/A	0.19 (5)	0.44 (11)	4.81 (122)	6.56 (167)	3.78 (96)	4.81 (122)	6.56 (167)
EXBLT-8106 N4	N/A	8 (203)	9.88 (251)	N/A	0.19 (5)	0.44 (11)	4.81 (122)	8.56 (217)	3.78 (96)	4.81 (122)	6.56 (167)
EXBLT-10108 N4	4.94 (125)	4.94 (125)	12.94 (329)	12.94 (329)	0.25 (6)	0.56 (14)	5.94 (151)	7.97 (202)	5.09 (129)	5.94 (151)	7.97 (202)
EXBLT-12188 N4	6.94 (176)	12.88 (327)	14.94 (379)	20.88 (530)	0.25 (6)	0.56 (14)	5.88 (149)	15.34 (390)	5.03 (128)	9.34 (237)	2.5 (63)



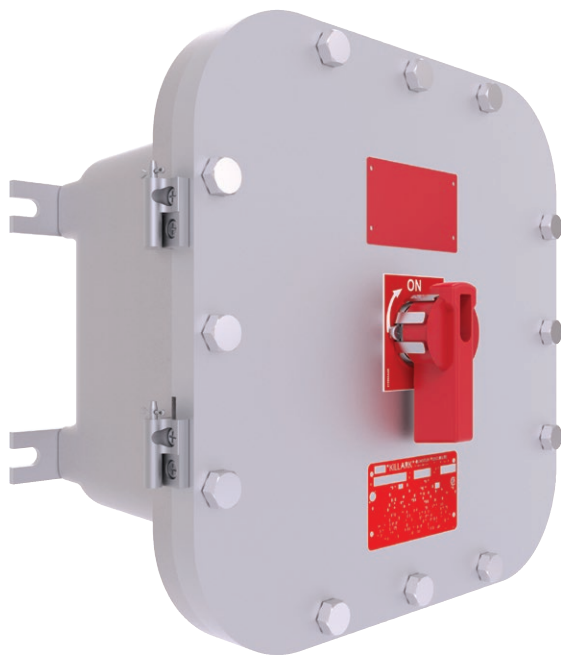
REPLACEMENT PARTS

OPTIONS	
KIT-251	100 Amp Ground Lug
KIT-252	200 Amp Ground Lug
SU3B-4X	Drain & Breather installed Class 1 Groups B, Type 4, 4X
SU14	Fungus Proof Internal
SU9	Special Paint
A	1 NC+1 NO Auxiliary Contact
AA	2 NC+2 NO Auxiliary Contact
B7C-SN1	Solid Neutral 150 Amp
B7C-SN2	Solid Neutral 250 Amp
CEN	ATEX/IEC Ex d (Pending)

REPLACEMENT PARTS						
ENCLOSURE CATALOG NUMBER	COVER GASKET	MOUNTING LUG KIT (Contains four mounting lugs and hardware)	COVER BOLTS – SOLD PER EACH			
			NO. OF BOLTS PER ENCLOSURE	316 STAINLESS STEEL "N4X"	ATEX IEC EX 316 STAINLESS STEEL "N4CEN" (PENDING)	HANDLE
EXBLTP-686 N4	EXB68RG	EXB-MTL1	10	25952BAAB	20790AAAB	B7EPD1SHAN
EXBLTP-886 N4	EXB88RG	EXB-MTL1	12	25952BAAB	20790AAAB	
EXBLTP-8106 N4	EXB810RG	EXB-MTL1	14	25952BAAB	20790AAAB	
EXBLTP-10108 N4	EXB1010RG	EXB-MTL2	12	25952AAAB	20790BAAB	



NON-FUSED DISCONNECT SWITCHES

**ATEX & IEC Ex****Ex II 2 G Ex db IIB+H2 T6** CE 0518**Ex II 2 D Ex tb IIIC T85°C IP66**

Ta -50°C to +70°C

IECEX QPS 17.0013U

IECEX QPS 17.0014

CML17 ATEX (pending)

CML17 ATEX (pending)

NORTH AMERICA

Class I, Div. 1 & 2, Groups B, C & D;

Class I, Zone 1 & 2, Groups IIB+H2 IIA;

Class II, Div. 1 & 2, Groups E, F & G;

Class III, Encl. Type 4 & 4X

UL Ta = -25°C to +70°C

CSA Ta = -50°C to +70°C

UL Classified File E83969

CSA Certified File LR11716

TYPE 3, 4, 4X, 7 (B,C,D), 9 (E,F,G)

FEATURES-SPECIFICATIONS**Features**

- New lighter (up to 35%) EXBLT enclosure, fewer cover bolts than our competitors, gasketed plate cover, 316 stainless steel cover bolts, ductile mounting lugs.
- UL98 & UL508 Non-Fused Disconnect Switch, Horsepower Rated.
- Available as 3 Pole, 3 Pole Double Throw and 6 pole switches.
- Auxiliary Contacts, accepts up to two contacts per side of switch.
- Terminal Poles, Solid Neutral, Detachable Neutral and Ground Terminal available as an option.
- Fourth power pole available for switch
- Can be ordered with or without the switch, allows for field installation of switch while maintaining product certification.
- Switch operating handle can be padlocked in the "ON" or "OFF" position providing lockout/tagout protection.
- Conduit outlets top and bottom drilled and tapped for power connections, with custom openings available.

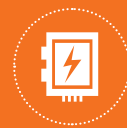
Materials

- **Box:** Molded from 356-T6 copper free aluminum, less than 1% of 1% copper alloy and less than 6% magnesium.
- **Cover:** Plate cover is made of 6061-T6 aluminum alloy.
- **Hinges:** Extruded aluminum with stainless steel pin hardware.
- **Bolts:** 316 Stainless Steel.
- **Finish:** Natural finish without paint.

Electrical Rating

- 600VAC, 50Hz





ORDERING INFORMATION / OPTIONS

EXBLTP-NFD NON FUSED DISCONNECT SWITCHES

UL98 & IEC - Suitable for use as motor disconnects or industrial control panel disconnects on service entrance equipment, panelboards, switchboards, industrial control equipment, motor control centers, etc. and are horsepower rated and ampere rated.

CATALOG NUMBER		SWITCH RATING IEC/NEC		SINGLE PHASE HORSEPOWER		THREE PHASE HORSEPOWER				TERMINAL LUG SIZE (MM/AWG)	WEIGHT (KG/LBS)	CONDUITS TOP/BOTTOM
EXBLTP	W/ ABB SWITCH	AMPS	TYPE	120 VAC	230 VAC	208 VAC	230 VAC	480 VAC	600 VAC			
686	EXBLTP-NFD-0303P	40/30	3 Pole	2	5	10	10	20	30	2.5 - 25mm/#14 - 4 AWG	23.7/10.8	(1) 1" (1) 1/2"
886	EXBLTP-NFD-0306P	40/30	6 Pole	2	5	10	10	20	30	2.5 - 25mm/#14 - 4 AWG	27.9/12.7	(2) 1" (1) 1/2"
886	EXBLTP-NFD-0303PDT	40/30	3P Double Throw	2	5	10	10	20	30	2.5 - 25mm/#14 - 4 AWG	27.9/12.7	(2) 1" (1) 1/2"
686	EXBLTP-NFD-0603P	63/60	3 Pole	3	7.5	20	20	40	40	2.5 - 25mm/#14 - 4 AWG	23.7/10.8	(1) 1-1/2" (1) 1/2"
886	EXBLTP-NFD-0606P	63/60	6 Pole	3	7.5	20	20	40	40	2.5 - 25mm/#14 - 4 AWG	27.9/12.7	(2) 1-1/2" (1) 1/2"
886	EXBLTP-NFD-0603PDT	63/60	3P Double Throw	3	7.5	20	20	40	40	2.5 - 25mm/#14 - 4 AWG	27.9/12.7	(2) 2" (1) 1/2"
8106	EXBLTP-NFD-1003P	100/100	3 Pole	5	15	25	30	50	50	10 - 70mm/#8 - 2/0 AWG	31.9/14.5	(1) 2" (1) 1/2"
8106	EXBLTP-NFD-1006P	100/100	6 Pole	5	15	25	30	50	50	10 - 70mm/#8 - 2/0 AWG	31.9/14.5	(2) 2" (1) 1/2"
8106	EXBLTP-NFD-1003PDT	100/100	3P Double Throw	5	15	25	30	50	50	10 - 70mm/#8 - 2/0 AWG	31.9/14.5	(2) 2" (1) 1/2"

UL508 & IEC - Suitable for use in equipment or machinery as motor controllers & motor disconnect and are horsepower and ampere rated.

CATALOG NUMBER		SWITCH RATING IEC/NEC		SINGLE PHASE HORSEPOWER		THREE PHASE HORSEPOWER				TERMINAL LUG SIZE (MM/AWG)	WEIGHT (KG/LBS)	CONDUITS TOP/BOTTOM
EXBLTP	W/ ABB SWITCH	AMPS	TYPE	120 VAC	230 VAC	208 VAC	230 VAC	480 VAC	600 VAC			
686	EXBLTP-NFD-1603P	16/20	3 Pole	1	2	3	5	10	10	.75 - 10mm/#18 - 8 AWG	27.9/12.7	(1) 1" (1) 1/2"
886	EXBLTP-NFD-1606P	16/20	6 Pole	1	2	3	5	10	10	.75 - 10mm/#18 - 8 AWG	27.9/12.7	(2) 1" (1) 1/2"
686	EXBLTP-NFD-2503P	25/30	3 Pole	1.5	3	7.5	7.5	15	20	.75 - 10mm/#18 - 8 AWG	23.7/10.8	(1) 1" (1) 1/2"
886	EXBLTP-NFD-2506P	25/30	6 Pole	1.5	3	7.5	7.5	15	20	.75 - 10mm/#18 - 8 AWG	27.9/12.7	(2) 1" (1) 1/2"
886	EXBLTP-NFD-3203P	32/40	3 Pole	2	5	10	10	20	25	.75 - 10mm/#18 - 8 AWG	27.9/12.7	(1) 1" (1) 1/2"
886	EXBLTP-NFD-3206P	32/40	6 Pole	2	5	10	10	20	25	.75 - 10mm/#18 - 8 AWG	27.9/12.7	(2) 1" (1) 1/2"
886	EXBLTP-NFD-6303P	63/60	3 Pole	2	5	15	15	30	30	1.5 - 35mm/#14 - 2 AWG	27.9/12.7	(1) 1-1/2" (1) 1/2"
886	EXBLTP-NFD-6306P	63/60	6 Pole	2	5	15	15	30	30	1.5 - 35mm/#14 - 2 AWG	27.9/12.7	(2) 1-1/2" (1) 1/2"
8106	EXBLTP-NFD-8003P	80/80	3 Pole	2	5	20	20	40	40	1.5 - 35mm/#14 - 2 AWG	31.9/14.5	(1) 2" (1) 1/2"
8106	EXBLTP-NFD-8006P	80/80	6 Pole	2	5	20	20	40	40	1.5 - 35mm/#14 - 2 AWG	31.9/14.5	(2) 2" (1) 1/2"

OPTIONS

KIT-251	100 Amp Ground Lug
KIT-252	200 Amp Ground Lug
SU3B-4X	Drain & Breather installed Class 1 Groups B, Type 4, 4X
SU14	Fungus Proof Internal
SU9	Special Paint
4P	4th Pole, 30, 60, 100A - 3 Pole Only (NFD Only)
A	1 NC+1 NO Auxilliary Contact
AA	2 NC+2 NO Auxiliary Contact
B7C-SN1	Solid Neutral 150 Amp
B7C-SN2	Solid Neutral 250 Amp
CEN	ATEX/IEC Ex d (Pending)



DISTRIBUTION EQUIPMENT

EXB-NFD, EXB-FDS SERIES

DISCONNECT SWITCHES • 3 POLE / NON-FUSIBLE & FUSIBLE



ATEX / IEC Ex Certified

Class I, Div. 1 & 2, Groups B[Ⓛ], C, D
Class I, Zones 1 & 2, Groups IIB+ H2, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2 ENCL TYPE 3, 4, 4X
TYPE 3, 4, 4X, 7 (B, C, D), 9 (E, F, G)
CENELEC/ATEX/IEC Ex
Ex d IIB + H2 T5 or T6
Ex tD A21 IP66
Tamb ≤ +70°C

Indoor/Outdoor



#UL886 - Outlet Boxes and Fittings for use in Hazardous (Classified) Locations. File #E10514 cer



#UL698 & #UL1203 - Explosion Proof and Dust Ignition Proof Electrical Equipment. Files #E83969 & E12379



#C22.2 No. 30-M1986 - Explosion Proof Enclosure for use in Class I Hazardous Locations. File #LR11716

CENELEC II 2 GD

PTB 07 ATEX 1025U (Empty Housing)

PTB 07 ATEX 1024x (Enclosure with Controls)

IEC Ex 07.0022U

IEC Ex 07.0023

FEATURES-SPECIFICATIONS

Features

- Copper-free aluminum construction, high strength, lighter in weight and corrosion resistant.
- Fewer cover bolts (no corner bolts required) reduces installation and maintenance time. Cover bolts are stainless steel.
- Gasketed flange with O-ring located in side bolt circle to seal out moisture.
- Stainless steel hinges are standard.
- Switch operating handle of copperfree aluminum can be padlocked, with up to 3 locks, in either the "ON" or "OFF" position.
- Ductile mounting lugs adjust to irregular mounting surfaces.
- Bodies have top and bottom drilled and tapped conduit entrances for power and drain/breather.
- **Global applications (ATEX)**
Enclosures are available for global applications with "CEN" suffix. Assemblies that are modified to CENELEC/ATEX standards maintain their North American certifications
- Switches are used on all 30 to 400 Ampere assemblies.
- Disconnect Switches suitable for type 'J' fuses only.

Materials

- Enclosures: Copper-free aluminum (less than 1/10 of 1% copper content)
- Hinges and Cover Bolts: Stainless steel
- Aluminum lacquer paint finish

Electrical Rating

- 600 VAC
- 30, 60, 100, 200 and 400 Amp

Consult Factory for special conduit layouts

DISTRIBUTION EQUIPMENT

EXB-NFD, EXB-FDS SERIES

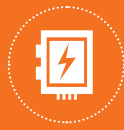


DISCONNECT SWITCHES • 3 POLE / NON-FUSIBLE & FUSIBLE

EXB-NFD NON FUSED DISCONNECT SWITCHES						
CATALOG NUMBER	SWITCH RATING	TYPE	CONDUITS TOP/BOT.	WIRE SIZE	EST. ENCL. WT (LBS)	KG
EXB-NFD-0303P	30	3 Pole	(1) 1-1/2" (1) 1/2"	#14-4	40.0	(18.14)
EXB-NFD-0306P	30	6 Pole	(2) 2" (1) 1/2"	#14-4	41.0	(18.59)
EXB-NFD-0303PDT	30	3P Double Throw	(2) 2" (1) 1/2"	#14-4	41.0	(18.59)
EXB-NFD-0603P	60	3 Pole	(1) 2" (1) 1/2"	#14-4	40.0	(18.14)
EXB-NFD-0606P	60	6 Pole	(2) 2" (1) 1/2"	#14-4	42.0	(19.05)
EXB-NFD-0603PDT	60	3P Double Throw	(2) 2" (1) 1/2"	#14-4	41.0	(18.59)
EXB-NFD-1003P	100	3 Pole	(1) 2" (1) 1/2"	#8-1/0	48.0	(21.77)
EXB-NFD-1006P	100	6 Pole	(2) 2" (1) 1/2"	#8-1/0	50.0	(22.67)
EXB-NFD-1003PDT	100	3P Double Throw	(2) 2" (1) 1/2"	#8-1/0	48.0	(21.77)
EXB-NFD-2003P	200	3 Pole	(1) 3" (1) 1/2"	#4-300MCM	170.0	(77.11)
EXB-NFD-4003P	400	3 Pole (2)	(2) 3" (1) 1/2"	#2-600MCM	241.0	(109.31)

EXB-FDS FUSED DISCONNECT SWITCHES (TYPE J FUSES)						
CATALOG NUMBER	SWITCH RATING	TYPE	CONDUITS TOP/BOT.	WIRE SIZE	EST. ENCL. WT. LBS (KG)	
EXB-FDS-0303P	30	3 Pole	(1) 2" (1) 1/2"	#14-4	40.0 (18.14)	
EXB-FDS-0603P	60	3 Pole	(1) 2" (1) 1/2"	#14-4	82.0 (37.18)	
EXB-FDS-1003P	100	3 Pole	(1) 2" (1) 1/2"	#14-2/0	130.0 (58.96)	
EXB-FDS-2003P	200	3 Pole	(1) 3" (1) 1/2"	#4-300MCM	170.0 (77.11)	
EXB-FDS-4003P	400	3 Pole	(2) 3" (1) 1/2"	#2-600MCM	425.0 (192.77)	

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
KIT-252	225 amp ground lug
SU-3B-4X	Drain/Breather NEMA 4X/7 B,C,D
SU-10B-4X	Drain NEMA 4X/7 B,C,D
SU-11B-4X	Breather NEMA 4X/7 B,C,D
SU9	Special Paint Finish
4P	4th pole 30, 60, 100A - 3 pole only*
A	1 NC+1NO Auxiliary
AA	2 NC+2NO Auxiliary
CEN	ATEX/IEC Ex d
SN2	Solid Neutral



DISTRIBUTION EQUIPMENT

EXB-NFD, EXB-FDS SERIES

EXB-NFD ELECTRICAL RATINGS

SWITCH AMPERES	MAXIMUM KW / HORSEPOWER SINGLE PHASE			MAXIMUM KW / HORSEPOWER - 3 PHASE									
UL508 & IEC													
UL508	120 VAC	200 VAC	240 VAC	200 VAC	208 VAC		240 VAC			480 VAC		600 VAC	
IEC						220 VAC		400 VAC	415 VAC		500 VAC		690 VAC
16	1 HP	2 HP	2 HP	3 HP	3 HP	3 KW	5 HP	7.5 KW	7.5 KW	10 HP	7.5 KW	10 HP	7.5 KW
25	1.5 HP	3 HP	3 HP	7.5 HP	7.5 HP	4 KW	7.5 HP	9 KW	9 KW	15 HP	9 KW	20 HP	9 KW
32	2 HP	5 HP	5 HP	10 HP	10 HP	5.5 KW	10 HP	11 KW	11 KW	20 HP	11 KW	25 HP	11 KW
63	2 HP	5 HP	5 HP	15 HP	15 HP	11 KW	15 HP	22 KW	22 KW	30 HP	22 KW	30 HP	11 KW
80	2 HP	5 HP	5 HP	20 HP	20 HP	22 KW	20 HP	37 KW	37 KW	40 HP	37 KW	40 HP	18.5 KW
UL98 & IEC													
UL98	120 VAC	200 VAC	240 VAC	200 VAC	208 VAC		240 VAC			480 VAC		600 VAC	
IEC						220 VAC		400 VAC	415 VAC		500 VAC		690 VAC
30	2 HP	5 HP	5 HP	10 HP	10 HP	7.5 KW	7.5 HP	15 KW	15 KW	15 HP	15 KW	20 HP	15 KW
60	3 HP	5 HP	7.5 HP	20 HP	20 HP	11 KW	20 HP	18.5 KW	18.5 KW	40 HP	18.5 KW	40 HP	15 KW
100	5 HP	15 HP	15 HP	25 HP	25 HP	22 KW	30 HP	37 KW	37 KW	50 HP	37 KW	50 HP	37 KW
200	NA	NA	NA	NA	NA	75 KW	75 HP	132 KW	132 KW	150 HP	170 KW	200 HP	240 KW
400	NA	NA	NA	NA	NA	110 KW	125 HP	220 KW	220 KW	250 HP	280 KW	350 HP	355 KW

EXB-FDS ELECTRICAL RATINGS

SWITCH AMPERES	MAXIMUM HORSEPOWER - THREE PHASE-3 POLE					MAXIMUM KW / HORSEPOWER - 3 PHASE							
UL98 & IEC													
UL98	120 VAC	200 VAC	240 VAC	200 VAC	208 VAC		240 VAC			480 VAC		600 VAC	
IEC						220 VAC		400 VAC	415 VAC		500 VAC		690 VAC
30	2 HP	3 HP	5 HP	5 HP	7.5 HP	7.5 KW	7.5 HP	15 KW	15 KW	15 HP	15 KW	20 HP	25 KW
60	3 HP	5 HP	10 HP	15 HP	15 HP	11 KW	15 HP	30 KW	30 KW	30 HP	30 KW	50 HP	60 KW
100	5 HP	10 HP	15 HP	25 HP	25 HP	22 KW	30 HP	90 KW	90 KW	60 HP	37 KW	75 HP	130 KW
200	NA	NA	NA	50 HP	50 HP	75 KW	60 HP	90 KW	90 KW	125 HP	170 KW	150 HP	200 KW
400	NA	NA	NA	100 HP	100 HP	110 KW	125 HP	230 KW	230 KW	250 HP	230 KW	350 HP	400 KW

EXB-NFD DIMENSIONS

AMP RATING	BASIC ENCLOSURE	A	B	C	D	E	F	G	NEC STANDARD CONDUIT OUTLETS		IEC STANDARD CONDUIT OUTLETS	
									TOP	BOTTOM	TOP	BOTTOM
16/20	EXB-664 N34 SU1	10.32 (262)	10.32 (262)	6.09 (155)	4.00 (102)	2.75 (70)	6.50 (165)	6.50 (165)	1" NPT	1" NPT	M25	M25
25/30	EXB-664 N34 SU1	10.32 (262)	10.32 (262)	6.09 (155)	4.00 (102)	2.75 (70)	6.50 (165)	6.50 (165)	1" NPT	1" NPT	M25	M25
32/40	EXB-664 N34 SU1	10.32 (262)	10.32 (262)	6.09 (155)	4.00 (102)	2.75 (70)	6.50 (165)	6.50 (165)	1" NPT	1" NPT	M25	M25
63/60	EXB-664 N34 SU1	10.32 (262)	10.32 (262)	6.09 (155)	4.00 (102)	2.75 (70)	6.50 (165)	6.50 (165)	1 1/2" NPT	1 1/2" NPT	M40	M40
80/80	EXB-886 N34 SU1	12.3125 (313)	12.3125 (313)	8.00 (203)	9.875 (251)	3.8125 (97)	8.125 (206)	9.4375 (240)	2" NPT	2" NPT	M50	M50
16/30/60	EXB-886 N34 SU1	12.3125 (313)	12.3125 (313)	8.00 (203)	9.875 (251)	3.8125 (97)	8.125 (206)	9.4375 (240)	1 1/2" NPT	1 1/2" NPT	M40	M40
100	EXB-8106 N34 SU1	14.3125 (364)	12.3125 (313)	8.00 (203)	9.875 (251)	3.875 (98)	8.3125 (211)	8.625 (219)	2" NPT	2" NPT	M50	M50
200	EXB-12248 N34 SU1	28.375 (721)	16.375 (416)	18.875 (479)	15.9375 (405)	5.375 (137)	11.9375 (303)	12.625 (321)	3" NPT	3" NPT	M63	M63
400	EXB-12368 N34 SU1	41.25 (1048)	17.25 (438)	31.00 (787)	15.00 (381)	5.1875 (81)	11.375 (289)	12.6875 (322)	(2) 3" NPT	(2) 3" NPT	(2) M63	(2) M63

EXB-FDS DIMENSIONS

AMP RATING	BASIC ENCLOSURE	A	B	C	D	E	F	G	NEC STANDARD CONDUIT OUTLETS		IEC STANDARD CONDUIT OUTLETS	
									TOP	BOTTOM	TOP	BOTTOM
30	EXB-8106 N34 SU1	14.3125 (364)	12.3125 (313)	8.00 (203)	9.875 (251)	3.875 (98)	8.9375 (227)	9.625 (244)	2" NPT	2" NPT	M40	M40
60	EXB-10106 N34 SU1	15.25 (387)	15.25 (387)	14.9375 (379)	12.9375 (329)	5.062 (129)	10.9375 (278)	12.25 (311)	2" NPT	2" NPT	M40	M40
100	EXB-12188 N34 SU1	22.375 (568)	16.375 (416)	12.875 (327)	14.9375 (379)	5.375 (137)	11.0625 (281)	12.375 (314)	2" NPT	2" NPT	M50	M50
200	EXB-12248 N34 SU1	28.375 (721)	16.375 (416)	18.875 (479)	14.9375 (379)	5.375 (137)	11.9375 (303)	13.375 (340)	3" NPT	3" NPT	M63	M63
400	EXB-18368 N34 SU1	40.375 (1026)	22.375 (568)	31.50 (800)	21.25 (546)	14.375 (365)	14.375 (365)	16.50 (419)	(2) 3" NPT	(2) 3" NPT	(2) M63	(2) M63

