OCTOBER 26, 1968

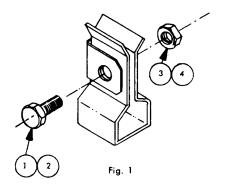
BUS PLUGS

APPLICATION DATA

FUSIBLE PLUGS WITH FORM 600 TYPE 4 FUSES

In order to more readily accommodate these fuses, the fuse clips, in all fusible plugs that have the blade-type fuse holders, have now been modified by providing a hole through the fuse clip and pressure spring.

When required, the addition of a bolt and nut through the fuse-clip assembly provides a "Rejection" feature. These bolts and nuts are not included in the plugs and must be ordered separately. (See Fig. 1 and table below.) They will be supplied, on order, at no charge.



	Item No.		Nu	mber Requ	vired Per I	Pole
Description	Fig. 1	Cat. No.	100A	200 A	400A	600A
10-24 x 1 Bolt	1	49645	2	2		
5/16-18 x 111/22 Bolt	2	49646			2	2
10-24 Self-Locking Nut	3	49647	2	2	<u> </u>	
5/16-18 Self-Locking Nut	4	49648			2	2

FUSIBLE VACU-BREAK® SWITCH PLUGS WITH CURRENT-LIMITING FUSES

Fusible Vacu-Break Switch Plugs may be used with current-limiting fuses to provide additional protection against high fault currents. An adapter kit is provided which converts the standard bus plug for the use of currentlimiting fuses. When required, order Bus Plug and Adapter Kit by catalog number as indicated in the table below.

Rat	ting			Cat. N	o		
			For	XL-U Plug-In	For BD and LO-X Plug-In		
Amperes	Volts AC	Poles	Bus Plug	Adapter Kit*	Bus Plug	Adapter Kit*	
30	250 and 600	3 4	UV361 UV461	W49832	BOS14351 BOS16451	W49832	
60	250 and 600	3 4	UV362 UV462	W49830	BOS14352 BOS16452	W49830	
	250	3 4	UV323 UV423	W49827	BOS14323 BOS16423	W49827	
100	600	3 4	UV363 UV463	W49828	BOS14353 BOS16453	W49828	
222	250	3 4	UV324 UV424	No Kit Required. Relocate Load Base	BOS14324 BOS16424	W49819	
200	600	3 4	UV364 UV464	W100218	BOS14354 BOS16454	W49818	
100	250	3 4	UV325 UV425	No Kit Required. Relocate Load Base.	BOS14325 BOS16425	W49814	
400	600	3 4	UV365 UV465	No Kit Required. Relocate Load Base.	BOS14355 BOS16455	W49816	
	250	3 4	UV326 UV426	W49813	BOS14326 BOS16426	W49813	
600	600	3	UV366 UV466	W49815	BOS14356 BOS16456	W49815	

*List Price for Cat. Nos. W49813 and 49815 is \$48.00; all other, \$16.00.



APPLICATION DATA

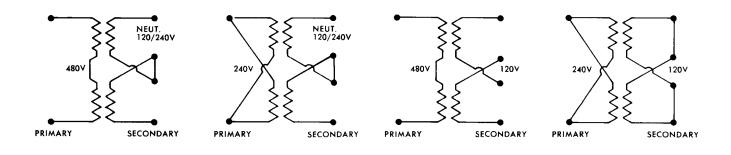
TRANSFORMER PLUGS

Transformer Plugs are balanced on three-phase bus duct by making contact with the various bars—selecting different combinations (AB, BC, CA) as shown below.



TRANSFORMER CONNECTIONS

Transformer-Plug connections (additive type) are readily accessible for easy field alteration of voltages.



POLY-PLATE ON-OFF STICKERS

Where visual ON-OFF identification is desirable from a distance, BullDog supplies an easily read ON and OFF pressure-sensitive adhesive sticker as an accessory item for all bus plugs (see illustration). The stickers—W47185—are laminated poly-plate with white lettering on a colorful background—green for OFF and red for ON.

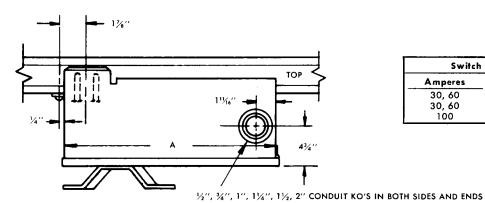


FOR X100® PLUG-IN BUS DUCT

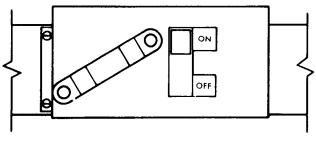
FUSIBLE VACU-BREAK® SWITCH PLUGS—FLOOR-OPERATED

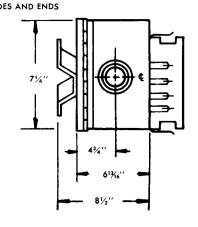
Fusible Vacu-Break Bus Plugs are heavy-duty operatingtype plugs. The Vacu-Break switching principle minimizes arcing, prevents pitting and beading of line and load contacts, and reduces maintenance costs. The Vacu-Break Bus Plugs are quick-make and quick-break, cover interlocked, horsepower rated and may be operated from the floor with a pull chain or hook stick. Laminated "ON" and "OFF" stickers are optional accessories.





Switch	Rating	Dimension
Amperes	Volts	A-Inches
30, 60	250 DC	113/4
30, 60	600 AC	15
100	600 AC	15





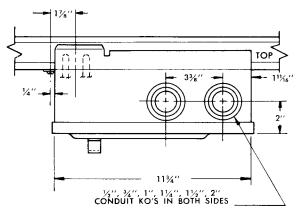


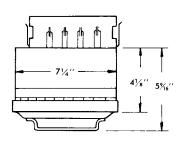
FOR X100® PLUG-IN BUS DUCT

FUSIBLE SWITCH PLUGS—DOOR-OPERATED

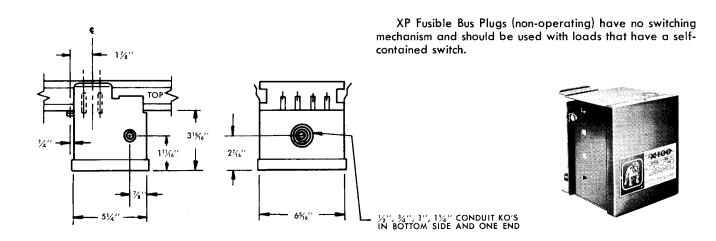


XLP Fusible Door-Operated Bus Plugs provide economical protection. Circuit is made or broken from the front of the plug by closing or opening the hinged cover. Plugs are horsepower rated.





FUSIBLE BUS PLUGS—NON-SWITCHING



JULY 15, 1967

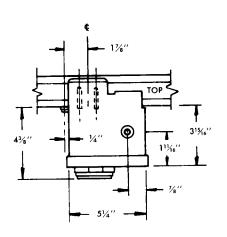
PAGE 3

BUS PLUGS

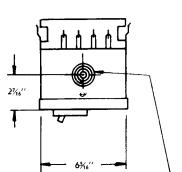
FOR X100® PLUG-IN BUS DUCT

XEQ CIRCUIT-BREAKER ENCLOSURES—DOOR-OPERATED

50A MAX.—240V MAX.



Door-operated XEQ circuit-breaker enclosures are designed to accept EQ-P plug-in or EQ-B bolted normal-duty circuit breakers. The enclosure shown is equipped with an accessory floor-operating mechanism.

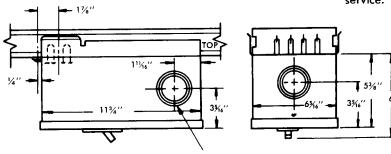




 $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ " CONDUIT KO'S IN BOTTOM SIDE AND ONE END

CIRCUIT-BREAKER PLUGS-DOOR-OPERATED

Door-operated circuit-breaker plugs are available with E- or EH-frame circuit breakers for 240- or 480-volt a-c service.

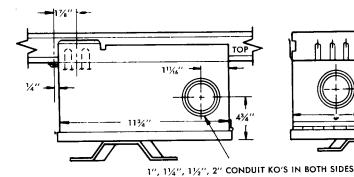


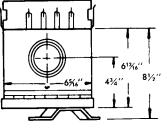


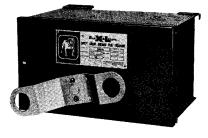
1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", 2" CONDUIT KO'S IN BOTH SIDES AND ENDS

CIRCUIT-BREAKER PLUGS-FLOOR-OPERATED

Floor-operated circuit-breaker plugs are available with E-, EH- or EF-frame circuit breakers for 240-, 480- or 600-volt service.







1-T-E CIRCUIT BREAKER COMPANY

Printed in U.S.A.

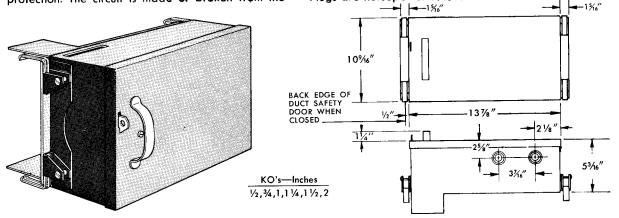
			per established

FOR XL®-UNIVERSAL BUS DUCT

FUSIBLE SWITCH PLUGS—DOOR-OPERATED 30, 60 AND 100A—600V MAX.

Door-operated fusible switch plugs provide economic fusible protection. The circuit is made or broken from the

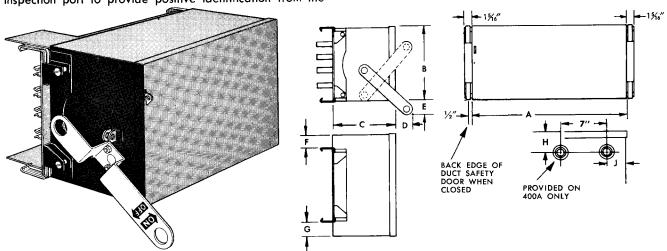
front of the plug by closing or opening the hinged cover. Plugs are horsepower rated.



FUSIBLE VACU-BREAK® SWITCH PLUGS—FLOOR-OPERATED

Floor-operated fusible Vacu-Break switch plugs can be operated with a rope or chain. They include a safety interlock which prevents plug installation or removal when the plug is ON. The plugs are quick-make, quick-break type and are horsepower rated. Red and green flags appear in the inspection port to provide positive identification from the

floor. The handle is located at the end of the plug so that it retains control of the switch mechanism regardless of whether the cover is open or shut. The cover contains an interlock to prevent it from being opened with the switch ON. The interlock may be voided by trained personnel.



Rating		DIMENSIONS—Inches									
Amperes	Α	В	С	D	E	F	G	Н	j	Conduit Size (KO's)	
30 60	12 1/8	10%6	71/2	4 3/8	4	0	3/ ₈	31/8	3	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	
100	161/2	1							3		
200	201/8	10%6	71/2	41/2	4	0	3/8	31/8	3	34, 1, 11/4, 11/2, 2, 21/2	
400 600	20 ¹³ / ₁₆ 33 ⁷ / ₈	1 6 ^{1.5} /16 1 4 ⁵ /8	10 5/8 12 3/8	9	0	2 ¹³ /16 2 ⁹ /16	3 ¹⁵ / ₁₆ 1 ⁵ / ₈	6¾ —	3 3/4	3, 3½, 4 No KO's Provided	

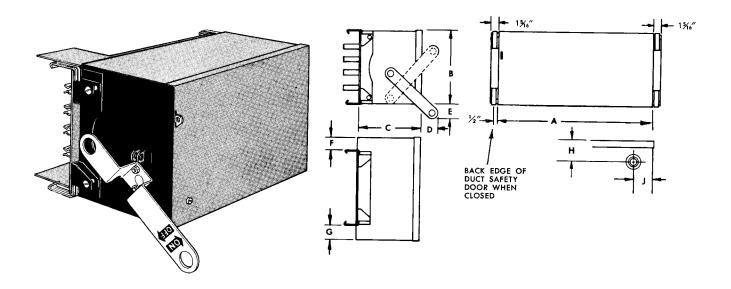


FOR XL®-UNIVERSAL DUCT

CIRCUIT-BREAKER PLUGS-FLOOR-OPERATED

Floor-operated circuit-breaker plugs can be operated with a rope or chain. They include a safety interlock which prevents plug installation or removal when the plug is ON. Red and green flags appear in the inspection port to

provide positive identification from the floor. The handle is located at the end of the plug so that it retains control of the switch mechanism regardless of whether the cover is open or shut.



_	Rating		DIMENSIONS—Inches										
Frame	Amperes	A	В	С	D	E	F	G	Н	J	Conduit Size (KO)		
E, EH, EF	100	127/8	10%6	71/2	1 1/2	1 3/8	0	3/8	31/8	21/8	1/2, 3/4, 1, 1 1/4, 1 1/2, 2		
FJ	225	201/8	10%6	71/2	5 5/8	2 1/8	0	3/8	31/8	3	34, 1, 114, 11/2, 2, 21/2		
JL, JJ	400	2013/16	1615/16	10 5/8	2 1/8	0	213/16	315/16	_		No KO's Provided		
KM	800	33 1/8	145/8	123/8	4 3/4	3/4	2%6	1 5/8			No KO's Provided		

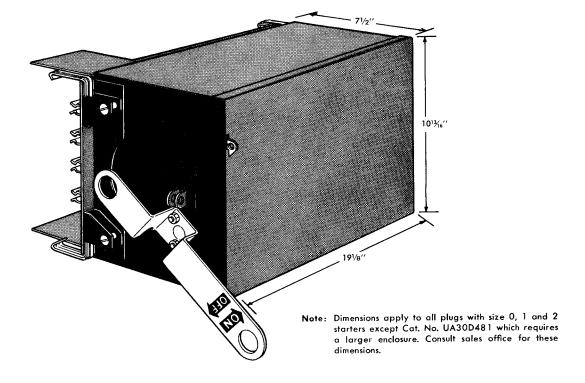
FOR XL®-UNIVERSAL DUCT

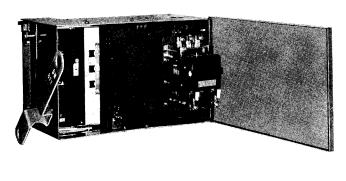
COMBINATION MOTOR-STARTER PLUGS—CIRCUIT BREAKER, FUSIBLE

Combination motor-starter plugs provide a motor starter and protective device close to the load. They are operated from the floor with a rope or chain and include a safety interlock which prevents installation or removal of the plug in the ON position. The cover also has a safety interlock. Interlocks may be voided by trained personnel. The handle is located at the

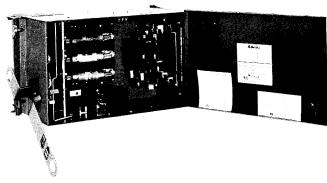
end of the plug so that it retains control of the switching mechanism regardless of whether the cover is open or shut.

Both fusible and breaker plugs are designed for I-T-E non-reversing starters. Breaker units have ETI instantaneous trip breakers. Fusible units have quick-make, quick-break switches.









Motor Control with Fusible Switch

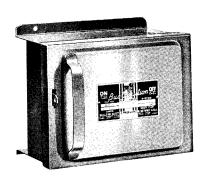
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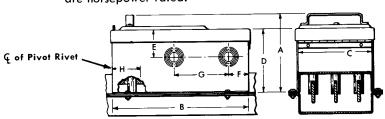
BUS PLUGS

FOR BD® AND LO-X® PLUG-IN DUCT

BP FUSIBLE SWITCH PLUGS-DOOR-OPERATED

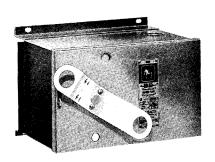


Fusible and non-fusible BP Bus Plugs are available in sizes 30, 60 and 100 amperes, 2 or 3 pole, 600 volts or less, or 4 pole solid neutral 240 or 480 volts ac. They are for disconnecting purposes only. Contact fingers on the back of the plug engage the bus bars for electrical contact. The circuit is made or broken from the front of the plug by closing or opening the hinged cover, but the plug contact fingers always remain attached to the bus bars. The plugs are horsepower-rated.

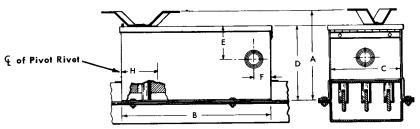


Capacity	-			DIMENSIONS	—Inches				
Amperes	A	В	С	D	E	F	G	н	Conduit Sizes—Inches
30-60	73/4	10	75/16	61/4	2 1/8	1 3/4	35/16	3 3/8	1/2, 3/4, 1
100	7 3/4	133/4	75/16	61/4	2 3/4	1 7/8	5%/6	3 3/8	1/2, 3/4, 1, 1 1/4, 1 1/2

FUSIBLE VACU-BREAK® SWITCH PLUGS—FLOOR-OPERATED



Fusible and non-fusible Vacu-Break Switch Plugs are available in sizes of 30 to 600 amperes, 3 pole, 600 volts or less, or 4 pole solid neutral, 240 or 480 volts ac. They are operating-type plugs. The Vacu-Break principle minimizes arcing, prevents pitting and beading of line and load contacts and reduces maintenance costs. The plug is quickmake and quick-break and is horsepower-rated.



Capacity			DIM					
Amperes	A	В	С	Ð	E	F	Н	Conduit Sizes—Inches
30-60	103/4	12	71/8	9	411/16	1%6	35/16	1/2, 3/4, 1, 1 1/4
100	103/4	15	71/8	9	411/16	1 1 1/16	35/16	1/2, 3/4, 1, 1 1/4
200	11	191/4	93/4	91/4	41/8	23/8	35/16	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2
400-600	14 5/8	301/8	141/2	125/8	513/16	3 3/4	91/8	3, 31/2, 4

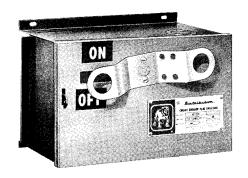
JULY 15, 1967 -



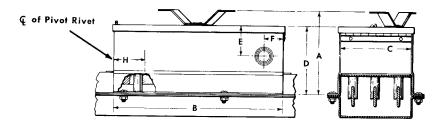
BUS PLUGS

FOR BD® AND LO-X® PLUG-IN DUCT

CIRCUIT-BREAKER PLUGS-FLOOR-OPERATED

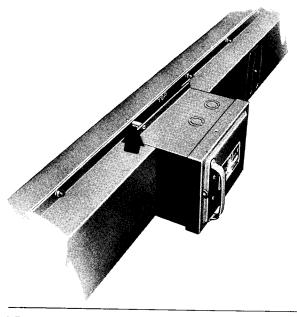


Circuit-Breaker Plugs are available in sizes up to 800 amperes, 600 volts or less. They are used where an automatic protective device is desired. The plug consists of a steel housing which encloses an industrial circuit breaker which has an inverse-time-element feature. It can be used with either rigid or flexible conduit.

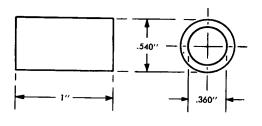


Frame			DIMEN	CONDUIT SIZES—Inches					
Size	A	В	С	D	Ε	F	н	Side	End
E, EH, EF	915/16	123/8	7 5/8	8 1/4	3 1/2	21/4	215/16	1/2, 3/4, 1, 11/4, 11/2, 2	V ₂ , ³ / ₄ , 1, 1 ¹ / ₄ , 1 ¹ / ₂ , 2
FJ	105/16	22	10	8%6	31/8	215/16	3 5/8	1, 11/4, 11/2, 2, 21/2	1, 11/4, 11/2, 2, 21/2
אר 'ור' אאר	111/4	241/2	113/8	9%16	3 1/2	3 1/4	4 1/8	21/2, 3, 31/2	21/2, 3, 31/2
KM	1211/16	333/16	141/4	1013/16	53/16	3 3/4	3 5/8	3, 31/2, 4	11/2, 2, 21/2, 3

PIPE SPACERS



The flanges on plug-in duct plugs were designed to fit the $4\,^{1}\!/_{16}{}''$ wide duct sections. When the plugs are to be attached to the larger duct sections, pipe spacers must be used. These spacers are also furnished with Plug-In Branch-Run Adaptors. When required, the Pipe Spacers must be specified when ordering the plugs or fittings.

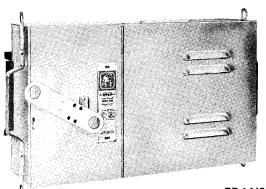


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BUS PLUGS

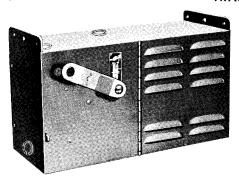
FOR BD® AND LO-X® PLUG-IN DUCT

CAPACITOR PLUGS



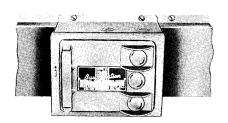
Capacitor Plugs range in size from 5 to 15 kVA, 240 volts or 480 volts, 60 cycle ac. They offer a convenient means for improving the power factor on plug-in duct systems. The thermal protective device and the capacitor unit are mounted in a single plug housing designed for plugging into the duct.

TRANSFORMER PLUGS



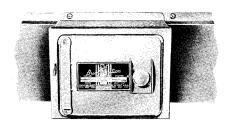
Transformer Plugs rated at 10 kVA furnish single-phase current at reduced voltage (240V or 120V) for lighting circuits, small motors, portable tools, etc. Transformer Plugs, designed with or without 2-pole a-c magnetic contactors, are used for plugging-in on 240- or 480-volt, 3-phase or single-phase BD Duct. A-c magnetic contactors are of two sizes—22 amperes and 45 amperes.

GROUND-DETECTOR PLUGS



Ground-Detector Plugs provide an easy means for quickly indicating grounds in the system, and in addition they establish a potential to ground between the bus bars and casing. The plug, with resistances between each of the phase bus bars and the plug case, which is grounded, is assembled so that the cover may be opened and the resistors replaced without removing the plug from the duct. $7\frac{1}{2}$ -watt lamps are mounted outside of the casing for visual indication. Dimensions are same as 30-ampere BP Plug.

TEMPERATURE-INDICATING PLUGS



Temperature-Indicating Plugs provide a visual indication, by means of lamps, when operating temperatures along plug-in duct runs may be exceeding effective operating temperatures. The plug is calibrated so that the lamp will light to indicate that the temperature of the bus bar to which the plug is connected exceeds 100 C (212 F) (30 C ambient plus 70 C rise). Dimensions are same as 30-ampere BP Plug.

	241

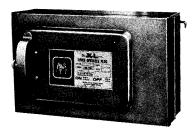
- JULY 15, 1967

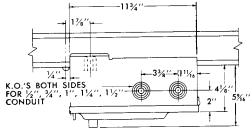
BUS PLUGS

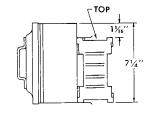
FOR XL® PLUG-IN BUS DUCT

FUSIBLE SWITCH PLUGS—DOOR-OPERATED 30, 60 AND 100A—600V MAX.

Door-operated fusible switch plugs provide economic fusible protection. The circuit is made or broken from the front of the plug by closing or opening the hinged cover. Plugs are horsepower rated.

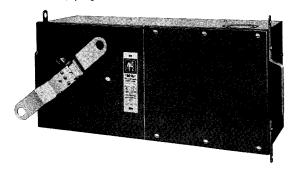


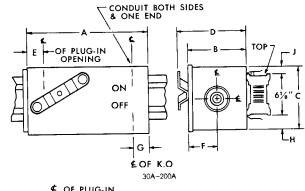


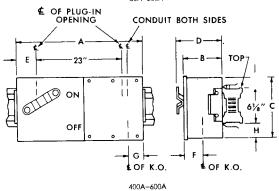


FUSIBLE VACU-BREAK® SWITCH PLUGS-FLOOR-OPERATED

Fusible Vacu-Break switch plugs are heavy-duty, operating-type plugs. They include a safety interlock which prevents plug installation or removal when in an ON position. The Vacu-Break switching principle minimizes arcing, prevents pitting and beading of line and load contacts and reduces maintenance costs. The plugs are quick-make, quick-break type and are horsepower rated. The cover contains an interlock to prevent it from being opened with the switch ON. The plugs can be operated from the floor with a pull chain or hook stick. Where visible ON-OFF identification is required, an easily read ON and OFF pressure-sensitive adhesive sticker is available. See Section 5.3.4.0, page 2.







	Rating					DIMENSIONS — Inches						Conduit Size(KO's)
Amperes	Volts AC	Volts DC	Α	В	С	D	E	F	G	Н	J	Inches
30	240 600	250 —	113/4 15	412/	71/	01/	1 5/8	4 3/4	111/16	3/32	11/52	
60	240 600	2 50	113/4 15	613/16	71/4	81/2	1 78	4 74	1 . 716	732	1 /32	1/2, 3/4, 1, 11/4, 11/2, 2
100 200 400	240 or 600	250	15 19½ 33½	6 ¹³ / ₁₆ 6 ⁵ / ₈ 13 ¹ / ₁₆	7 ½ 9 ²⁵ ⁄ ₃₂ 14 ¹¹ ⁄ ₁₆	8 ½ 8 ½ 8 ½ 1 4 ½	1 5/8 1 5/8 2 1/8	4 3/4 3 1/2 4 1/4	1 1 ½16 1 1 5/16 4	3/32 217/64 4 ²³ /32	1 ½2 1 ²⁵ / ₆₄ 3 ²⁷ / ₃₂	1, 11/4, 11/2, 2, 21/2, 3, 31/2, 4



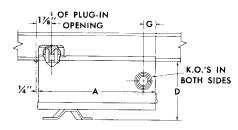
FOR XL® PLUG-IN BUS DUCT

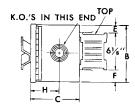
CIRCUIT-BREAKER PLUGS-FLOOR-OPERATED

Circuit-breaker plugs are available in sizes up to 800 amperes, 600 volts or less. They include a safety interlock which prevents plug installation or removal when the plug

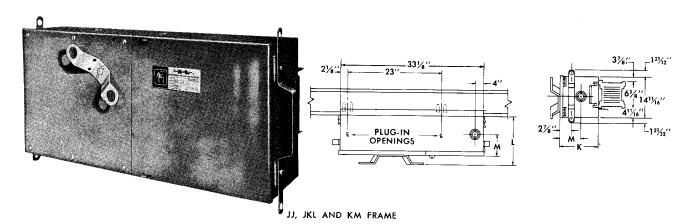
is ON. The plugs can be operated from the floor with a pull chain or hook stick.







E, EH, EF AND FJ FRAME



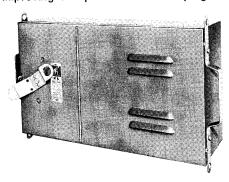
	Rating				DIMENSIO	NS —Inches				Conduit Size(KO's)
Frame	Amperes	Α	В	C	D	E	F	G	Н	Inches
E, EH, EF	100	113/4	65/16	613/16	81/2	3/32	3/32	111/16	43/4	
FJ	225	191/2	911/16	71/8	9%16	13/8	21/4	115/16	43/4	
JJ, JKL	400	331/8	1411/16	8%	101/4	3 1/8	411/16	1 716	4% 4% 16	1, 11/4, 11/2, 2, 21/2
KM	800	331/8	1411/16	121/8	1415/16	3 1/8	411/16	7	4 1/8	3, 3½, 4 3, 3½, 4

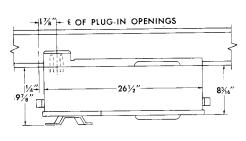
FOR XL® PLUG-IN BUS DUCT

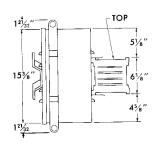
CAPACITOR PLUGS

Capacitor plugs range in size from 5 to 15 kVA, 240 or 480 volts, 60 cycle ac. They offer a convenient means for improving the power factor on plug-in duct systems.

The thermal protective device and the capacitor unit are mounted in a single plug housing designed for plugging into the duct.





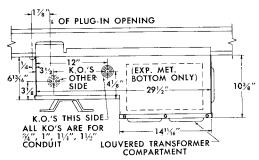


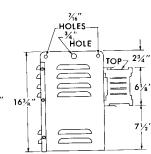
TRANSFORMER PLUGS

Transformer plugs, rated at 10 kVA, furnish single-phase power at a reduced voltage (120 or 240 V) for lighting receptacles, small motors, portable tools, etc. Transformer plugs, designed with or without 2-pole a-c magnetic con-

tactors, are used for plugging-in on 240-or 480-volt, 3-phase XL duct. A-c magnetic contactors are of two sizes—22 amperes and 45 amperes.



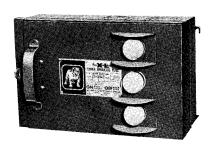


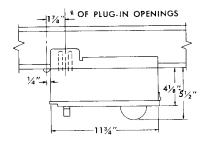


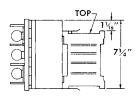
GROUND-DETECTOR PLUGS

Ground-detector plugs provide an easy means for quickly indicating grounds in an ungrounded system, and in addition they establish a potential to ground between the bus bars and casing. The plug, with resistances between each of the phase bus bars and the plug case, which is

grounded, is assembled so that the cover may be opened and the resistors replaced without removing the plug from the duct. $7\frac{1}{2}$ -watt lamps are mounted outside of the casing for visual indication.







FOR X100® PLUG-IN BUS DUCT PRICES

XEQ CIRCUIT-BREAKER ENCLOSURES—Door-Operated (Less Breakers)

8		3 POLE		3 P	IRE	
Breaker Rating Amperes	Cat. No.	List Price	Ship. Wgt., Lb	Cat. No.	List Price	Ship. Wgt., Lb
15-50	XEQ350	\$11.	4	XEQ450	\$13.	4

For Circuit Breakers—See EQ-P and EQ-B data and prices in Section 2.1.

CIRCUIT-BREAKER PLUGS†—Cover-Operated

				3 POLE			IASE, 4 WI	RE
Daniel and			List	Enclosure	Only	List	Enclosure	Only
Breaker Frame Size	AC Volts	Breaker Rating Amperes	Price With Breaker	h List With	Cat. No.†	List Price		
E	240	15-50 70-100	\$84. 105.	XEH3100	\$38.	\$94. 115.	XEH4100	\$48.
EH	480	15-50 70-100	112. 126.	VEHSIOO	338.	122. 136.	AE114100	***.

CIRCUIT-BREAKER PLUGS†-Floor-Operated

				3 POLE		3 PHASE, 4 WIRE			
			List	Enclosure	Only	List	Enclosure	Only	
Breaker Frame	AC Volts	Rating Amperes	Price With Breaker	Cat. No.† List With Breaks		Cat. No.†	List Price		
E	240	15-50 70-100	\$105. 126.			\$119. 140.			
ЕH	480	15-50 70-100	133. 147.	XLEH3100	\$59.	147. 161.	XLEH4100	\$73.	
EF	600	15-50 70-100	145. 164.			159. 178.			

FUSIBLE BUS PLUGS (Non-Switching)

		3 POLE			3 PI	IASE, 4 WIRE	
Volts	Rating Amperes	Cat. No.	List Price	Ship. Wgt., Lb	Cat. No.	List Price	Ship. Wgt., Lb
240 AC or 250 DC	30 60	XP321 XP322	\$19. 30.	5 5	XP421 XP422	\$21. 33.	5 5

FUSIBLE VACU-BREAK® SWITCH PLUGS—Floor-Operated

			3	POLE		3 PHASE, 4 WIRE				
		Horsepower Ratings, AC				Horsepower Ratings, AC				
Volts	Rating Amperes	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	
240 AC 250 DC	30 60 100	3 7½ 15	7½ 15 30	XLVB321 XLVB322 XLVB323	\$66. 70. 103.	3 7½ 15	10 20 30	XLVB421N XLVB422N XLVB423N	\$76. 81. 114.	
600 AC	30 60 100	7½ 15 30	20 50 75	XLVB351 XLVB352 XLVB353	70. 74. 106.	5** 15** 25**	15** 30** 60**	XLVB451N XLVB452N XLVB453N	81. 85. 124.	

FUSIBLE SWITCH PLUGS—Door-Operated

			3	POLE		3 PHASE, 4 WIRE				
			Horsepower Ratings, AC				power gs, AC			
Volts	Rating Amperes	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	
240 AC 250 DC	30 60 100	3 7½ 15	7½ 15 30	XLP321 XLP322 XLP323	\$49. 53. 69.	3 7½ 15	7½ 15 15	XLP421N XLP422N XLP423N	\$60. 66. 79.	
600 AC	30 60 100	7½ 15 30	_	XLP351 XLP352 XLP353	52. 55. 77.	5** 15** 25**	_	XLP451N XLP452N XLP453N	64. 68. 89.	

^{** 480-}volt rating

ACCESSORIES

Description	Cat. No.	List Price	Std. Pkg.
Floor-Operating Handle—For XEQ Bus Plugs, Each	X100-OC	\$4.50	10
Screw-On Outlet Cover—For Plug-in Openings, Each		.60	25
ON-OFF Bus-Plug Stickers—Pressure-Sensitive, Per Pair		.30	—

[†] Enclosures available from stock. When ordering circuit-breaker bus plugs complete with breaker, factory-installed, allow time for assembly and SPECIFY Enclosure, Frame Size, Poles and Ampere Rating. Example: One XEH3100—EH—3P—70A—Factory-Assembled.

CLASS J FUSES—Adaptor kits available for converting switches to Class J fuses. See Section 5.3.4.0, page 1.

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FOR XL®-UNIVERSAL BUS DUCTA **PRICES**

STARTER OR CONTACTOR BUS PLUGS CIRCUIT-BREAKER DISCONNECT

NEMA Size	Voltage	Max. H.P.	Cat. No.	List Price	Control Trans. List Price
	240	2	UA31B24C		
0	240	3	UA31B24D	¢071	***
U	400	3	UA31B48C	\$271.	\$48.
	480	5	UA31B48D		
	0.40	5	UA31C24D		
	240	71/2	UA31C24E		
ı	400	71/2	UA31C48D	281.	48.
	480	10	UA31C48D		
	0.40	10	UA31D24E		1
•	240	15	UA31D24F		
2	400	15	UA31D48E	379.	67.
	480	25	UA31D48F		

CIRCUIT-BREAKER PLUGS -Floor-Operated

	ĺ		ļ	3 POLE		3 PHASE, 4 WIRE				
					List Price	Enclosure	Only	List Price	Enclosure	Only
Breaker Frame	AC Volts	Rating Amperes	With Breaker	Cat. No.†	List Price	With Breaker	Cat. No.†	List Price		
E	240	15-50 70-100	\$105. 126.			\$119. 140.				
EH	480	15-50 70-100	133. 147.	U1C3100	\$56.	147. 161.	U1C4100	\$69.		
EF		15-50 70-100	145. 164.			159. 178.				
FJ		70-225	364.	U4C3225	121.	390.	U4C4225	145.		
11	400	250-400	753.			792.				
JKL	60 0	70-225 250-400	634. 792.	U6C3400	324.	673. 831.	U6C4400	360.		
KM		500-600 700-800	1075. 1305.	U8C3800	340.	1128. 1358.	U8C4800	390		

VACU-BREAK® FUSIBLE-SWITCH DISCONNECT

NEMA Size	Switch Size	Voltage	Max. H.P. AC	Cat. No.	List Price	Control Trans. List Price
0	30A	240	3	UA30B243	\$244.	***
U		480	5	UA30B483	\$244.	\$45.
	30A	240	71/2	UA30C243		45.
	, 60A	240	' '	UA30C246		
ı	30A	480	10	UA30C483	271.	
	60A			UA30C486		
	60A	240	15	UA30D246		
2	100A	240	'3	UA30D241	328.	63.
2	60A	480	25	UA30D486	328.	63.
	100A	480	23	UA30D481		

FUSIBLE VACU-BREAK SWITCH PLUGS—Floor-Operated

	Rating Am-		3 P	OLE		:	3 PHASE, 4 WIRE				
			Horsepower Ratings, AC				power gs, AC				
Volts		Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price		
	30	3	71/2	UV321	\$66.	3	10	UV421	\$76.		
	60	71/2	15	UV322	70.	71/2	20	UV422	81.		
240 AC	100	15	30	UV323	103.	15	30	UV423	114.		
250 DC	200	25	60	UV324	180.	25	60	UV424	202.		
	400	50	100	UV325	445.	50	100	UV425	480.		
	600	75	100	UV326	618.	75	100	UV426	677.		
	30	71/2	20	UV361	70.	5**	15**	UV461	81.		
	60	15	50	UV362	74.	15**	30**	UV462	85.		
100.10	100	30	75	UV363	106.	25**	60**	UV463	124.		
600 AC	200	60	100	UV364	188.	50**	100**	UV464	212.		
	400	100	_	UV365	445.	100**	_	UV465	480.		
	600			UV366	618.	_		UV466	677.		

CAPACITOR PLUGS

·	Rating—	Amperes	240V AC, 6	O Cycle	480V AC, 60 Cycle		
Capacitor KVA	240 Volt	480 Volt	Cat. No.	List Price	Cat. No.	List Price	
CIRCUI	T-BREAK	ER DISCO	NNECT				
5.0	35	1 15	UBC3205	\$851.	UBC3405	\$746.	
7.5	50		UBC3207	1029.	_	l '	
10.0		35	·		UBC3410	918.	
15.0	_	50	_		UBC3415	1007.	
VACU-	BREAK F	USIBLE-S	WITCH DIS	CONNE	СТ		
5.0			UVC3205	\$780.	UVC3405	\$567.	
7.5		•	UVC3207	959.	_	<u> </u>	
10.0	۰ ٥	0	_		UVC3410	746	
15.0			l —	-	UVC3415	827.	

SPECIAL BUS PLUGS

Description	Cat. No.	List Price
Ground Detector and Potentializer—For 2- or 3-pole 240- and 480-volt a-c service Transformer—For 10 kVA rating, Furnish 1-phase	UPGR314	\$88.
current at reduced voltage	•	1138.

[♦] Order by description.

FUSIBLE SWITCH PLUGS—Door-Operated

	!		3 POLE				3 PHASE, 4 WIRE				
		Horsepower Ratings, AC				Horsepower Ratings, AC					
Volts	Rating Am- peres	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price		
240 AC 250 DC	30 60 100	3 7½ 15	7½ 15 30	UP321 UP322 UP323	\$49. 53. 69.	3 7½ 15	7½ 15 15	UP421 UP422 UP423	\$60. 66. 79.		
600 AC	30 60 100	7½ 15 30	_	UP361 UP362 UP363	52. 55. 77.	5** 15** 25**	-	UP461 UP462 UP463	64. 68. 89.		

- Grounding Finger—When required for any XL-U plug, must be specified by adding Suffix G to plug Cat. No. Add \$10.00 List to price.
- ** 480-volt ratings.
- † Enclosures available from stock. When ordering circuit-breaker bus plugs complete with breaker, factory-installed, allow time for assembly and SPECIFY Enclosure, Frame Size, Poles and Ampere Rating. Example: One U1C3100—EH—3P—70A—Factory-Assembled.

CLASS J FUSES—Adaptor kits available for converting switches to Class J fuses. See Section 5.3.4.0, page 1.

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FOR BD® AND LO-X® PLUG-IN DUCT PRICES

STARTER OR CONTACTOR BUS PLUGS CIRCUIT-BREAKER DISCONNECT

NEMA Size	Voltage	Max. H.P.	Cat. No.	List Price	Control Trans. List Price	
	240	2				
0	240	3	BCD31001450	\$271.	\$48.	
U	480	3	BCB01001430	72,		
	480	5			L	
	240 5					
		71/2	BCD31001451	281.	48.	
'	480	71/2	BCD31001431	201.		
	480	10				
	240	10				
2	240	15	BCD31001452	379.	67.	
2	400	15	BCD31001432	3, 7.	"	
	480	25			<u>i </u>	

CIRCUIT-BREAKER PLUGS†—Floor-Operated

				3 POLE		3 P	HASE, 4 WIR	Ε
			List	Enclosure (Only	List	Enclosure Only	
Breaker Frame	AC Volts	Rating Amperes	Price With Breaker	Cat. No.†	List Price	Price With Breaker	Cat. No.	List Price
Ε	240	15-50 70-100	\$105. 126.		\$59.	\$119. 140.	BDEH4100	\$73.
EH	480	15-50 70-100	133. 147.	BDEH3100 \$		147. 161.		
EF		15-50 70-100	145. 164.			159. 178.		
FJ		70-225	364.	BDFJ3225	128.	390.	BDFJ4225	154.
jj.	1	250-400	753.			792.		
JKL	600	70-225 250-400	634. 792.	BDJK3400	343.	673. 831.	BDJK4400*	382.
KM	1	500-600 700-800	1075. 1305.	BDKM3800	360.	1128. 1358.	BDKM4800	413

VACU-BREAK® FUSIBLE-SWITCH DISCONNECT

NEMA Size	Switch Size	Voltage	Max. H.P. AC	Cat. No.	List Price	Control Trans. List Price	
	204	240	3	BOS14321SO	\$258.	\$48.	
0 30A	480	5	BOS1435150	\$250.	440 .		
	30A	0.10	71/2	BOS1432151	271.		
	60A	240	/ //2	BOS14322S1		48.	
1	30A		10	BOS14351S1		70.	
	60A	480	10	BOS1435251			
	60A	0.40	15	BOS1432252			
	100A	240	13	BOS1432352	348.	67.	
2	60A	400	25	BOS14352S2	340.	37.	
	100A	480	L 23	BOS14353S2			

FUSIBLE VACU-BREAK SWITCH PLUGS—Floor-Operated

			3	POLE		3 PHASE, 4 WIRE				
	Rating Am- peres	Horsepower Ratings, AC					power gs, AC			
Volts		Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	
	30	3,,	71/2	BOS14321	\$66.	3 7½	10 20	BOS16421 BOS16422	\$76. 81.	
240 AC	60 100	7½ 15	15 30	BOS14322 BOS14323	70. 103.	15	30	BOS16423	114	
250 DC	200	25	60	BOS14324	180.	25	60	BO516424	202	
	400 600	50 75	100	BOS14325 BOS14326	445. 618.	50 75	100 100	BOS16425* BOS16426*		
	30	71/2	20	BOS14351	70.	5**	15**		81	
	60	15	50	BOS14352	74.	15**	30**	BOS16452	85.	
600 AC	100	30	75	BOS14353	106.	25**	60**	BOS16453	124	
800 AC	200	60	100	BOS14354	188.	50**	100**		212	
	400	100	<u> </u>	BO\$14355	445.	100**	I —	BOS16455*		
	600			BOS14356	618.			BO\$16456*	677	

CAPACITOR PLUGS

	Rating-	Amperes	240 V AC, 6	50 Cycle	480 V AC, 60 Cycle		
Capacitor KVA	240 Volt	480 Volt	Cat. No.	List Price	Cat. No.	List Price	
CIRCUIT	-BREAKE	R DISCO	ONNECT				
5.0	35	1.5	CBC33524	\$851.	CBC31544	\$746.	
7.5	50		CBC35025	1029.	_	_	
10.0	1 ==	35	_	l —	CBC33546	918.	
15.0		50	1 —	i —	CBC35047	1007.	
VACU-E	REAK F	USIBLE-S	WITCH DISC	CONNEC	T		
5.0			COS3124	780.	CO53144	567	
7.5	1 .		COS3225	959.	l —	_	
10.0	60		_	1 —	COS3146	746	
15.0			i —	l —	CO53247	827	

SPECIAL BUS PLUGS

Description	Cat. No.	List Price
Ground Detector and Potentializer—For 2- or 3-pole 240- and 480-volt a-c service	PGR6314	\$88.
Transformer—For 10 kVA rating. Furnish 1-phase current at reduced voltage	•	1138.

[♦] Order by description.

FUSIBLE SWITCH PLUGS—Door-Operated

			3	POLE	3 PHASE, 4 WIRE				
Volts		Horsepower Ratings, AC				Horsepower Ratings, AC			
	Rating Amperes	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price
240 AC 250 DC	30 60 100	3 7½ 15	7½ 15 30	BP321 BP322 BP3237	\$49. 53. 69.	3 7½ 15	7½ 15 15	BP421 BP422 BP4237	\$60. 66. 79.
600 AC	30 60 100	7½ 15 30	_	BP351 BP352 BP3537	52. 55. 77.	5** 15** 25**		BP451 BP452 BP4537	64. 68. 89.

- * When BD duct capacity exceeds 400A for aluminum or 600A for copper, capacity must be specified to obtain proper number and arrangement of neutral fingers.
- ** 480-volt ratings.
- † Enclosures available from stock. When ordering circuit-breaker bus plugs complete with breaker, factory-installed, allow time for assembly and SPECIFY Enclosure, Frame Size, Poles and Ampere Rating. Example: One BDEH3100—EH—3P—70A—Factory-Assembled.
- CLASS J FUSES—Adaptor kits available for converting switches to Class J fuses. See Section 5.3.4.0, page 1.
- CHANNEL SPACERS—Must be used with Bus Plugs or Plug-In Branch-Run Adapters mounted on 600-, 800- or 1000-ampere aluminum ABD or on 800- or 1000-ampere copper BDP duct. Order by Cat. No. W-37940 at no charge.

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FOR XL® PLUG-IN BUS DUCT

PRICES

STARTER OR CONTACTOR BUS PLUGS CIRCUIT-BREAKER DISCONNECT

NEMA Size	Voltage	Max. H.P.	Cat. No.	List Price	Contro Trans List Price	
	240	2				
0	1	3	XLEH3100S0	\$271.	\$48.	
U	400	3 72211310030		****	l '	
	480	5				
	240	5				
	1 *** [71/2	XLEH3100S1	281.	48.	
ſ	400	71/2	ALEHSTOOST			
	480	10				
	240	10				
2	1 270	15	XLEH3100\$2	379.	67.	
	1	15	ALEH310032	3,7.	[0,	
	480	25			<u>. </u>	

CIRCUIT-BREAKER PLUGS†—Floor-Operated

Ì				3 POLE		3 PHASE, 4 WIRE			
	1	ĺ		Enclosure (Only		Enclosure Only		
Breaker Frame	AC Volts	Rating Amperes	List Price With Breaker	Cat. No.†	List Price	List Price With Breaker	Cat. No.†	List Price	
Ε	240	15-50 70-100	\$105. 126.			\$119. 140.			
EH	480	15-50 70-100	133. 147.	XLEH3100	\$56.	147. 161.	XLEH4100	\$69.	
EF		15-50 70-100	145. 164.			159. 178.			
FJ	1	70-225	364.	XLFJ3225	121.	390.	XLFJ4225	145.	
JJ	600	250-400	753.			792.			
JKL	1 ***	70-225 250-400	634. 792.	XLJK3400	324.	673. 831.	XLJK4400	360.	
KM	1	500-600 700-800	1075. 1305.	XLKM3800	340.	1128. 1358.	XLKM4800	390.	

VACU-BREAK® FUSIBLE-SWITCH DISCONNECT

NEM A Size	Switch Size	Voltage	Max. H.P. AC	Cat. No.	List Price	Control Trans. List Price
	201	240	3	XLVB32150	\$258.	\$48.
0	30A	480	5	XLV835150	\$230.	370.
	30A	242	71/	XLVB32151	271.	48.
_	60A	- 240	71/2	XLVB322S1		
1	30A		10	XLVB35151] */ '	
	60A	480	10	XLVB352S1		
	60A	240	1.5	XLVB322\$2		
_	100A	240	15	XLVB323S2	348.	67.
2	60A	400	0.5	XLVB35252		67.
	100A	480	25	XLVB353S2	1 .	

FUSIBLE VACU-BREAK SWITCH PLUGS—Floor-Operated

			3	POLE	3 PHASE, 4 WIRE				
	Rating Am- peres		power js, AC			Horse Rating			
Volts		Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price
	30	3	71/2	XLVB321	\$66.	3	10	XLVB421N	\$76.
	60	71/2	15	XLVB322	70.	71/2	20	XLVB422N	81.
240 AC	100	15	30	XLVB323	103.	15	30	XLVB423N	114.
250 DC	200	25	60	XLVB324	180.	25	60	XLVB424N	202.
	400	50	100	XLVB325	445.	50	100	XLVB425N	480.
	600	75	100	XLVB326	618.	75	100	XLVB426N	677.
	30	71/2	20	XLVB351	70.	5**	15**	XLVB451N	81.
	60	15	50	XLVB352	74.	15**	30**	XLVB452N	85.
	100	30	75	XLVB353	106.	25**	60**	XLVB453N	124.
600 AC	200	60	100	XLVB354	188.	50**	100**	XLVB454N	212
	400	100	_	XLVB355	445.	100**		XLVB455N	480
	600	-	I —	XLVB356	618.	l	l —	XLVB456N	677

CAPACITOR PLUGS

	Rating—	Amperes	240 V AC,	60 Cycle	480 V AC, 60 Cycle		
Capacitor KVA	240 Volt	480 Volt	Cat. No.	List Price	Cat. No.	List Price	
CIRCUIT	-BREAKE	R DISCO	ONNECT				
5.0	3.5	15	XLBC3205	\$851.	XLBC3405	\$746.	
7.5	50		XLBC3207	1029.	l —		
10.0		35	_	I —	XLBC3410	918.	
15.0	-	50			XLBC3415	1007	
VACU-E	REAK F	USIBLE-S	WITCH DISC	CONNEC	T		
5.0	1		XLVC3205	780.	XLVC3405	567	
7.5	١.	_	XLVC3207	959.	-	l —	
10.0	۰ ۱	0		I —	XLVC3410	746	
15.0	l		_	1 —	XLVC3415	827	

SPECIAL BUS PLUGS

Description	Cat. No.	List Price
Graund Detector and Potentializer—For 2- or 3-pole 240- and 480-volt a-c service	XLGR314	\$88.
Transformer—For 10 kVA rating. Furnish 1-phase current at reduced voltage	•	1138.

[♦] Order by description.

FUSIBLE SWITCH PLUGS—Door-Operated

		3 P	OLE		3 PHASE, 4 WIRE				
Volts		Horsepower Ratings, AC				Horsepower Ratings, AC			1
	Rating Amperes	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price	Std. (NEC)	Max. (Time Delay)	Cat. No.	List Price
240 AC 250 DC	30 60 100	3 7½ 15	7½ 15 30	XLP321 XLP322 XLP323	\$49. 53. 69.	3 7½ 15	7½ 15 15	XLP421N XLP422N XLP423N	\$60. 66. 79.
600 AC	30 60 100	7½ 15 30	_	XLP351 XLP352 XLP353	52. 55. 77.	5** 15** 25**	-	XLP451N XLP452N XLP453N	64. 68. 89.

^{** 480-}volt ratings.

CLASS J FUSES—Adaptor kits available for converting switches to Class J fuses. See Section 5.3.4.0, page 1.

[†] Enclosures available from stock. When ordering circuit-breaker bus plugs complete with breaker, factory-installed, allow time for assembly and SPECIFY Enclosure, Frame Size, Poles and Ampere Rating. Example: One XLEH3100—EH—3P—70A—Factory-Assembled.

[‡] Consult I-T-E sales office for availability.

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