

**Cooper Power Systems**  
by **EAT•N**

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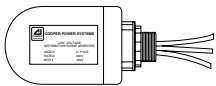
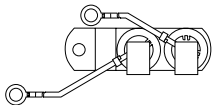
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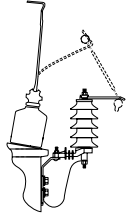
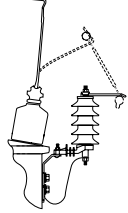
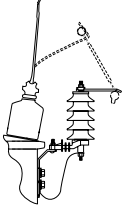
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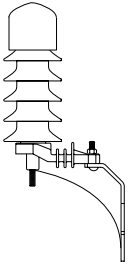
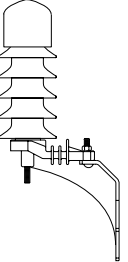
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	PUSH-OP Connector — 600 A, 15 kV, 25 kV, 35 kV	600-13, 33, 53	99
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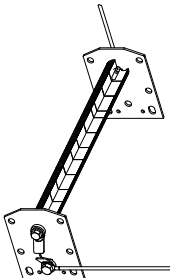
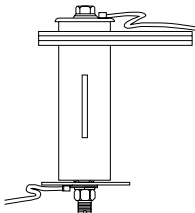
# Arrester Products

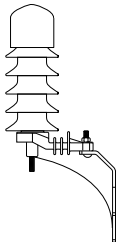
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>LOW-VOLTAGE (SECONDARY) LIGHT-DUTY DISTRIBUTION CLASS SURGE ARRESTERS</b>					
VariSTAR Storm Trapper H.E.  	235-16 S235-16-1	Externally mounted High Energy secondary surge arrester for over-voltage protection of transformer secondary bushings. <b>NOTE:</b> To add mounting bracket, change last digit to "1".	Light-Duty Distribution-Class Surge Arrester for transformer secondary overvoltage protection, external mount.	1 Pole, 175 V (175 V MCOV), without Mounting Bracket	ASZH175C100
				2 Pole, 175 V (175 V MCOV) without Mounting Bracket	ASZH175C200
				3 Pole, 175 V (175 V MCOV) without Mounting Bracket	ASZH175C300
				1 Pole, 240 V (240 V MCOV) without Mounting Bracket	ASZH240C100
				2 Pole, 240 V (240 V MCOV) without Mounting Bracket	ASZH240C200
				3 Pole, 240 V (240 V MCOV) without Mounting Bracket	ASZH240C300
				1 Pole, 480 V (400 MCOV) without Mounting Bracket	ASZH480C100
				2 Pole, 480 V (400 MCOV) without Mounting Bracket	ASZH480C200
				3 Pole, 480 V (480 V MCOV) without Mounting Bracket	ASZH480C300
				1 Pole, 650 V (540 MCOV) without Mounting Bracket	ASZH650C100
				2 Pole, 650 V (540 MCOV) without Mounting Bracket	ASZH650C200
				3 Pole, 650 V (540 V MCOV) without Mounting Bracket	ASZH650C300
VariSTAR Storm Trapper H.E.  	235-16 S235-16-1	Internally mounted High Energy secondary surge arresters for overvoltage protection of transformer secondary bushings.	Light Duty Distribution Class Surge Arrester for transformer secondary overvoltage protection, internal (under-oil) mount.	2 Pole, 480 V (400 V MCOV), 0.391 inch Mounting Hole, 10 inch Leads with Terminal	ASZH480U200
				2 Pole, 480 V (400 V MCOV), 0.531 inch Mounting Hole, 24 inch Leads w/o Terminal	ASZH480U201
				2 Pole, 480 V (400 V MCOV), 0.391 inch Mounting Hole, 24 inch Leads w/o Terminal	ASZH480U202
				2 Pole, 480 V (400 V MCOV), 0.766 inch Mounting Hole, 24 inch Leads w/o Terminal	ASZH480U203

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>ARRESTER/OPEN LINK CUTOUT COMBINATIONS</b>					
Arrester/Open Link Cutout Combination, Evolution URT Type, UltraSIL Polymer-Housed  	235-25 S235-25-1 S235-25-2	Surge Arrester/Open Link cutout mounted externally to the transformer tank. Used for overvoltage/overcurrent protection of the transformer.	Combination Arrester/Open Link Fuse Cutout combination for primary winding overvoltage/overcurrent protection. Heavy-duty, polymer-housed, MOV arrester with non-decaying (infinite) TOV, transformer mounting bracket, isolator, and ground strap.	9 kV (7.65 kV MCOV), 50A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	URT09050K1C1D1A
				10 kV (8.40 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	URT10050K1C1D1A
				18 kV (15.3 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	URT18080K1C1D1A
Arrester/Open Link Cutout Combination, Normal-Duty VariSTAR, UltraSIL Polymer-Housed  	235-25 S235-25-1 S235-25-2	Surge Arrester/Open Link cutout mounted externally to the transformer tank. Used for overvoltage/overcurrent protection of the transformer.	Combination Arrester/Open Link Fuse Cutout combination for primary winding overvoltage/overcurrent protection. Normal duty, polymer-housed, non-gapped MOV arrester with transformer mounting bracket, isolator, and ground strap.	9 kV (7.65 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	UNS09050K1C1D1A
				10 kV (8.40 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	UNS10050K1C1D1A
				18 kV (15.3 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	UNS18080K1C1D1A
Arrester/Open Link Cutout Combination, Heavy-Duty VariSTAR, UltraSIL Polymer-Housed  	235-25 S235-25-1 S235-25-2	Surge Arrester/Open Link cutout mounted externally to the transformer tank. Used for overvoltage/overcurrent protection of the transformer.	Combination Arrester/Open Link Fuse Cutout combination for primary winding overvoltage/overcurrent protection. Heavy-duty, polymer-housed, non-gapped MOV arrester with transformer mounting bracket, isolator, and ground strap.	9 kV (7.65 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	UHS09050K1C1D1A
				10 kV (8.40 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	UHS10050K1C1D1A
				18 kV (15.3 kV MCOV), 50 A Continuous, 1200 A Interrupting Arrester/Flipper Fuse Combination	UHS18080K1C1D1A

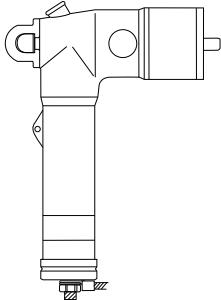
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>HEAVY-DUTY DISTRIBUTION-CLASS ARRESTERS - POLYMER HOUSINGS</b>					
Heavy-Duty Distribution-Class Arrester, VariSTAR, Type UHS, UltraSIL Polymer-Housed  	235-35 S235-35-1	Surge Arrester mounted on the transformer tank to protect the primary winding from damaging overvoltages	Heavy-Duty Distribution-Class MOV arrester, polymer-housed, for primary winding overvoltage protection. With Isolator, Transformer Mounting Bracket, Ground Strap, and Insulated Cap.	3 kV, (2.55 kV MCOV), 2.5" Lug Spacing	UHS03030A1C1C1C
				6 kV, (5.1 kV MCOV), 2.5" Lug Spacing	UHS06040A1C1C1C
				9 kV, (7.65 kV MCOV), 2.5" Lug Spacing	UHS09050A1C1C1C
				10 kV, (8.4 kV MCOV), 2.5" Lug Spacing	UHS10050A1C1C1C
				12 kV, (10.2 kV MCOV), 2.5" Lug Spacing	UHS12060A1C1C1C
				15 kV, (12.7 kV MCOV), 2.5" Lug Spacing	UHS15070A1C1C1C
				18 kV, (15.3 kV MCOV), 2.5" Lug Spacing	UHS18080A1C1C1C
				21 kV, (17.0 kV MCOV), 2.5" Lug Spacing	UHS21090A1C1C1C
				24 kV, (19.5 kV MCOV), 2.5" Lug Spacing	UHS24100A1C1C1C
				27 kV, (22.0 kV MCOV), 9.25" Lug Spacing	UHS27110A1C1C1A
				30 kV, (24.4 kV MCOV), 9.25" Lug Spacing	UHS30120A1C1C1A
				33 kV, (27.0 kV MCOV), 9.25" Lug Spacing	UHS33130A1C1C1A
				36 kV, (29.0 kV MCOV), 9.25" Lug Spacing	UHS36140A1C1C1A
Heavy-Duty Distribution-Class Arrester, Evolution, Type URT, UltraSIL Polymer-Housed  	235-99 S235-35-1	Surge Arrester mounted on the transformer tank to protect the primary winding from damaging overvoltages	Heavy-Duty Distribution-Class MOV arrester, with infinite (non-decaying) TOV (temporary overvoltage), polymer-housed, for primary winding overvoltage protection. With Isolator, Transformer Mounting Bracket, Ground Strap, and Insulated Cap.	3 kV, (2.55 kV MCOV), 2.5" Lug Spacing	URT03040A1C1C1C
				6 kV, (5.1 kV MCOV), 2.5" Lug Spacing	URT06050A1C1C1C
				9 kV, (7.65 kV MCOV), 2.5" Lug Spacing	URT09050A1C1C1C
				10 kV, (8.4 kV MCOV), 2.5" Lug Spacing	URT10050A1C1C1C
				12 kV, (10.2 kV MCOV), 2.5" Lug Spacing	URT12070A1C1C1C
				15 kV, (12.7 kV MCOV), 2.5" Lug Spacing	URT15070A1C1C1C
				18 kV, (15.3 kV MCOV), 2.5" Lug Spacing	URT18080A1C1C1C
				21 kV, (17.0 kV MCOV), 2.5" Lug Spacing	URT21090A1C1C1C
				24 kV, (19.5 kV MCOV), 2.5" Lug Spacing	URT24100A1C1C1C
				27 kV, (22.0 kV MCOV), 9.25" Lug Spacing	URT27110A1C1C1A
				30 kV, (24.4 kV MCOV), 9.25" Lug Spacing	URT30120A1C1C1A
				33 kV, (27.0 kV MCOV), 9.25" Lug Spacing	URT33130A1C1C1A
				36 kV, (29.0 kV MCOV), 9.25" Lug Spacing	URT36140A1C1C1A

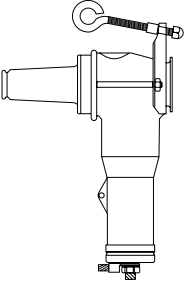
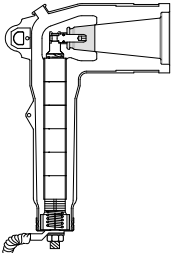


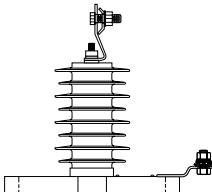
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
LIGHT-DUTY DISTRIBUTION-CLASS ARRESTERS - UNDER-OIL MOUNTING					
Light-Duty Distribution-Class Arrester, VariSTAR Type CLU, Under-Oil Application.  	235-95 S235-95-1	Mounted under-oil inside the Transformer Tank, connected to the primary winding.	Light-Duty Distribution-Class MOV arrester, for primary winding overvoltage protection. Under-oil application. With Line Lead, Ground Lead, and isolation link (ground side). Arrester Block Assembly shall be composite wrapped.	3 kV, (2.55 kV MCOV)	CLU23A03
				6 kV, (5.1 kV MCOV)	CLU23A06
				9 kV, (7.65 kV MCOV)	CLU23A09
				10 kV, (8.4 kV MCOV)	CLU23A10
				12 kV, (10.2 kV MCOV)	CLU23A12
				15 kV, (12.7 kV MCOV)	CLU23A15
				18 kV, (15.3 kV MCOV)	CLU23A18
				21 kV, (17.0 kV MCOV)	CLU23A21
				24 kV, (19.5 kV MCOV)	CLU23A24
				27 kV, (22.0 kV MCOV)	CLU23A27
				30 kV, (24.4 kV MCOV)	CLU23A30
				33 kV, (27 kV MCOV)	CLU23A33
				36 kV, (29 kV MCOV)	CLU23A36
HEAVY-DUTY DISTRIBUTION-CLASS ARRESTERS - UNDER-OIL MOUNTING					
Heavy-Duty Distribution-Class Arrester, VariSTAR Type AZU, Under-Oil Application.  	235-64 S235-64-1	Mounted under-oil inside the Transformer Tank, connected to the primary winding.	Heavy-Duty Distribution-Class MOV arrester, for primary winding overvoltage protection. Under-oil application. With Line Lead and Ground Lead.	3 kV, (2.55 kV MCOV)	AZU100L003
				6 kV, (5.1 kV MCOV)	AZU100L006
				9 kV, (7.65 kV MCOV)	AZU100L009
				10 kV, (8.4 kV MCOV)	AZU100L010
				12 kV, (10.2 kV MCOV)	AZU100L012
				15 kV, (12.7 kV MCOV)	AZU100L015
				18 kV, (15.3 kV MCOV)	AZU100L018
				21 kV, (17.0 kV MCOV)	AZU100L021
				24 kV, (19.5 kV MCOV)	AZU100L024
				27 kV, (22.0 kV MCOV)	AZU100L027
				30 kV, (24.4 kV MCOV)	AZU100L030
				36 kV, (29.0 kV MCOV)	AZU100L036

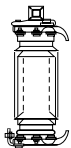
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>NORMAL-DUTY DISTRIBUTION-CLASS ARRESTERS - POLYMER-HOUSED</b>					
Normal-Duty Distribution-Class Arrester, VariSTAR, Type UNS, Silicone Rubber Housing  	235-35 S235-35-1	Surge Arrester mounted on the transformer tank to protect the primary winding from damaging overvoltages	Normal-Duty Distribution-Class non-gapped MOV arrester, polymer-housed, for primary winding overvoltage protection. With Isolator, Transformer Mounting Bracket, Ground Strap, & Insulated Cap.	3 kV, (2.55 kV MCOV), 2.5" Lug Spacing	UNS03030A1C1C1C
				6 kV, (5.1 kV MCOV), 2.5" Lug Spacing	UNS06040A1C1C1C
				9 kV, (7.65 kV MCOV), 2.5" Lug Spacing	UNS09050A1C1C1C
				10 kV, (8.4 kV MCOV), 2.5" Lug Spacing	UNS10050A1C1C1C
				12 kV, (10.2 kV MCOV), 2.5" Lug Spacing	UNS12060A1C1C1C
				15 kV, (12.7 kV MCOV), 2.5" Lug Spacing	UNS15070A1C1C1C
				18 kV, (15.3 kV MCOV), 2.5" Lug Spacing	UNS18080A1C1C1C
				21 kV, (17.0 kV MCOV), 2.5" Lug Spacing	UNS21090A1C1C1C
				24 kV, (19.5 kV MCOV), 2.5" Lug Spacing	UNS24100A1C1C1C
				27 kV, (22.0 kV MCOV), 9.25" Lug Spacing	UNS27110A1C1C1A
				30 kV, (24.4 kV MCOV), 9.25" Lug Spacing	UNS30120A1C1C1A
				33 kV, (26.7 kV MCOV), 9.25" Lug Spacing	UNS33130A1C1C1A
				36 kV, (29.0 kV MCOV), 9.25" Lug Spacing	UNS36140A1C1C1A

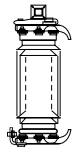
# ELBOW AND PARKING STAND ARRESTERS

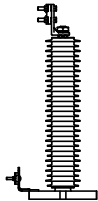
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Light-Duty Distribution-Class Metal Oxide M.O.V.E. Elbow Arrester  	235-65 S235-55-1	Loadbreak Elbow Arresters connected to the high voltage bushings of pad-mounted transformers and other apparatus.	Metal Oxide non-gapped Loadbreak Elbow Arresters for overvoltage protection of underground distribution system equipment and cables.	<b>15 kV Class</b>	
				3 kV (2.55 kV MCOV)	3238018C03M
				6 kV (5.10 kV MCOV)	3238018C06M
				9 kV (7.65 kV MCOV)	3238018C09M
				10 kV (8.4 kV MCOV)	3238018C10M
				12 kV (10.2 kV MCOV)	3238018C12M
				15 kV (12.7 kV MCOV)	3238018C15M
				18 kV (15.3 kV MCOV)	3238018C18M
				<b>25 kV Class</b>	
				9 kV (7.65 kV MCOV)	3238019C09M
				10 kV (8.4 kV MCOV)	3238019C10M
				12 kV (10.2 kV MCOV)	3238019C12M
				15 kV (12.7 kV MCOV)	3238019C15M
				18 kV (15.3 kV MCOV)	3238019C18M
				21 kV (17.0 kV MCOV)	3238019C21M
				<b>25 kV POSI-BREAK Elbow Arrester</b>	
				3 kV (2.55 kV MCOV)	PLEA225N03
				6 kV (5.10 kV MCOV)	PLEA225N06
				9 kV (7.65 kV MCOV)	PLEA225N09
				10 kV (8.4 kV MCOV)	PLEA225N10
				12 kV (10.2 kV MCOV)	PLEA225N12
				15 kV (12.7 kV MCOV)	PLEA225N15
				18 kV (15.3 kV MCOV)	PLEA225N18
				21 kV (17.0 kV MCOV)	PLEA225N21
				<b>35 kV Class (Large 1A Interface IEEE 386 Std)</b>	
				18 kV (15.3 kV MCOV)	3238020C18M
				21 kV (17.0 kV MCOV)	3238020C21M
				24 kV (19.5 kV MCOV)	3238020C24M
				27 kV (22.0 kV MCOV)	3238020C27M
				30 kV (24.4 kV MCOV)	3238020C30M
				33 kV (27.0 kV MCOV)	3238020C33M
				36 kV (29.0 kV MCOV)	3238020C36M

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Light-Duty Distribution-Class Metal Oxide M.O.V.E. Elbow Arrester  	235-68 S235-58-1	Overvoltage protection for substation, or near substation, equipment.	Metal Oxide Parking Stand non-gapped arrester for the overvoltage protection of energized, but parked, open point cable runs.	<b>15 kV Class</b>	
				3 kV (2.55 kV MCOV)	3237686C03M
				6 kV (5.10 kV MCOV)	3237686C06M
				9 kV (7.65 kV MCOV)	3237686C09M
				10 kV (8.4 kV MCOV)	3237686C10M
				12 kV (10.2 kV MCOV)	3237686C12M
				15 kV (12.7 kV MCOV)	3237686C15M
				18 kV (15.3 kV MCOV)	3237686C18M
				<b>25 kV Class</b>	
				9 kV (7.65 kV MCOV)	3237758C09M
				10 kV (8.4 kV MCOV)	3237758C10M
				12 kV (10.2 kV MCOV)	3237758C12M
				15 kV (12.7 kV MCOV)	3237758C15M
				18 kV (15.3 kV MCOV)	3237758C18M
				21 kV (17.0 kV MCOV)	3237758C21M
M.O.V.E. DirectConnect Elbow Arrester  	235-101 S235-100-1	Overvoltage protection for deadfront pad-mounted apparatus (35 kV, 600 A bushings).	Metal Oxide non-gapped Loadbreak Elbow Arresters for overvoltage protection of underground distribution system equipment and cables.	27 kV (22.0 kV MCOV)	DCEA635M27
				30 kV (24.4 kV MCOV)	DCEA635M30
				33 kV (27.0 kV MCOV)	DCEA635M33
				36 kV (29.0 kV MCOV)	DCEA635M36

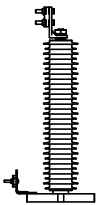
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>INTERMEDIATE-CLASS SURGE ARRESTERS - POLYMER-HOUSED</b>					
Intermediate-Class Surge Arrester, Type UI, UltraSIL Polymer-Housed  	235-102 S235-102-1	Overvoltage protection for substation (or near substation) equipment.	Intermediate-Class, polymer-housed MOV arrester, for overvoltage protection of electrical equipment.	3 kV, (2.55 kV MCOV), 8.75 - 10" Bolt Circle	UIAA003002A0645A11
				6 kV, (5.1 kV MCOV), 8.75 - 10" Bolt Circle	UIAA006005A0645A11
				9 kV, (7.65 kV MCOV), 8.75 - 10" Bolt Circle	UIAA009007A0845A11
				10 kV, (8.4 kV MCOV), 8.75 - 10" Bolt Circle	UIAA010008A0845A11
				12 kV, (10.2 kV MCOV), 8.75 - 10" Bolt Circle	UIAA012010A0845A11
				15 kV, (12.7 kV MCOV), 8.75 - 10" Bolt Circle	UIAA015012A0845A11
				18 kV, (15.3 kV MCOV), 8.75 - 10" Bolt Circle	UIAA018015A1045A11
				21 kV, (17.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA021017A1045A11
				24 kV, (19.5 kV MCOV), 8.75 - 10" Bolt Circle	UIAA024019A1245A11
				27 kV, (22.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA027022A1445A11
				30 kV, (24.4 kV MCOV), 8.75 - 10" Bolt Circle	UIAA030024A1445A11
				33 kV, (27.5 kV MCOV), 8.75 - 10" Bolt Circle	UIAA033027A1645A11
				36 kV, (29.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA036029A1645A11
				39 kV, (31.5 kV MCOV), 8.75 - 10" Bolt Circle	UIAA039031A1845A11
				42 kV, (34.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA042034A1845A11
				45 kV, (36.5 kV MCOV), 8.75 - 10" Bolt Circle	UIAA045036A2045A11
				48 kV, (39.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA048039A2245A11
				54 kV, (42.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA054042A2245A11
				60 kV, (48.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA060048A2645A11
				66 kV, (53.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA066053A2645A11
				72 kV, (57.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA072057A2845A11
				78 kV, (62.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA078062A3445A11
				84 kV, (68.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA084068A3645A11
				90 kV, (70.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA090070A3845A11
				96 kV, (76.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA096076A4045A11
				108 kV, (84.0 kV MCOV), 8.75 - 10" Bolt Circle	UIAA108084A4445A11

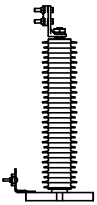
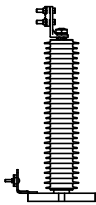
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>STATION-CLASS SURGE ARRESTERS - PORCELAIN-HOUSED</b>					
Porcelain Top Station-Class Arrester, VariSTAR, Type AZES, Porcelain Housing (Metal Top)  	235-87 S235-87-1	Overvoltage protection for substation equipment.	Metal Oxide Station-Class, porcelain-housed surge arresters for overvoltage protection of substation electrical equipment. Metal top design.	3 kV (2.55 kV MCOV), Single Unit, 10" Bolt Circle, with NEMA Connectors	AZES001G002003
				6 kV (5.1 kV MCOV)	AZES001G005006
				9 kV (7.65 kV MCOV)	AZES001G007009
				10 kV (8.4 kV MCOV)	AZES002G008010
				12 kV (10.2 kV MCOV)	AZES002G010012
				15 kV (12.7 kV MCOV)	AZES002G012015
				18 kV (15.3 kV MCOV)	AZES003G015018
				21 kV (17.0 kV MCOV)	AZES003G017021
				24 kV (19.5 kV MCOV)	AZES003G019024
				27 kV (22.0 kV MCOV)	AZES004G022027
				30 kV (24.4 kV MCOV)	AZES004G024030
				33 kV (27.5 kV MCOV)	AZES004G027033
				36 kV (29.0 kV MCOV)	AZES004G029036
				39 kV (31.5 kV MCOV)	AZES005G031039
				42 kV (34.0 kV MCOV)	AZES005G034042
				45 kV (36.5 kV MCOV)	AZES005G036045
				48 kV (39.0 kV MCOV)	AZES005G039048
				54 kV (42.0 kV MCOV)	AZES006G042054
				60 kV (48.0 kV MCOV)	AZES006G048060
				66 kV (53.0 kV MCOV)	AZES007G053066
				72 kV (57.0 kV MCOV)	AZES007G057072
				78 kV (62.0 kV MCOV)	AZES008G062078
				84 kV (68.0 kV MCOV)	AZES008G068084
				90 kV (70.0 kV MCOV)	AZES008G070090
				96 kV (76.0 kV MCOV)	AZES008G076096
				108 kV (84.0 kV MCOV)	AZES009G084108
				120 kV (98.0 kV MCOV)	AZES009G098120
				132 kV (106 kV MCOV), Double Unit, 10" Bolt Circle, with NEMA Connectors	AZES012G106132
				138 kV (111 kV MCOV)	AZES012G111138
				144 kV (115 kV MCOV)	AZES013G115144
				162 kV (130 kV MCOV)	AZES014G130162
				168 kV (131 kV MCOV)	AZES015G131168
				172 kV (140 kV MCOV), Double Unit with Single Grading Ring, 10" Bolt Circle, with NEMA Connectors	AZES021G140172

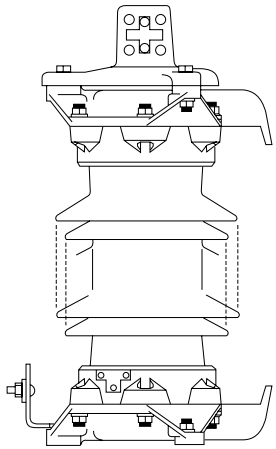
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Porcelain Top Station-Class Arrester, VariSTAR, Type AZES, Porcelain Housing (Metal Top) (continued)	235-87 S235-87-1			180 kV (144 kV MCOV)	AZES022G144180
				192 kV (152 kV MCOV)	AZES022G152192
				198 kV (160 kV MCOV)	AZES023G160198
				204 kV (165 kV MCOV)	AZES024G165204
				216 kV (174 kV MCOV)	AZES024G174216
				228 kV (182 kV MCOV)	AZES025G182228
				240 kV (190 kV MCOV)	AZES025G190240
				258 kV (209 kV MCOV), Triple Unit, with Two Grading Rings, 10" Bolt circle, with NEMA Connectors	AZES067G209258
				264 kV (212 kV MCOV)	AZES067G212264
				276 kV (220 kV MCOV)	AZES069G220276
				288 kV (230 kV MCOV)	AZES069G230288
				294 kV (235 kV MCOV), Triple Unit with Three Grading Rings, 10" Bolt circle, with NEMA Connectors	AZES070G235294
				300 kV (239 kV MCOV)	AZES070G239300
				312 kV (245 kV MCOV)	AZES071G245312
				330 kV (267 kV MCOV)	AZES074G267330
				336 kV (269 kV MCOV)	AZES074G269336
				360 kV (289 kV MCOV)	AZES075G289360
Metal Top Station-Class Arrester, VariSTAR, Type AZES, Porcelain Housing (Cubicle-Mounted)  	235-87 S235-87-1	Overvoltage protection for substation equipment.	Metal Oxide Station Class, porcelain-housed surge arresters for overvoltage protection of substation electrical equipment. Cubical-mounted design for confined space application.	3 kV (2.55 kV MCOV), Single Unit, 10" Bolt Circle, with NEMA Connectors	AZES091G002003
				6 kV (5.1 kV MCOV)	AZES091G005006
				9 kV (7.65 kV MCOV)	AZES091G007009
				10 kV (8.4 kV MCOV)	AZES092G008010
				12 kV (10.2 kV MCOV)	AZES092G010012
				15 kV (12.7 kV MCOV)	AZES092G012015
				18 kV (15.3 kV MCOV)	AZES093G015018
				21 kV (17.0 kV MCOV)	AZES093G017021
				24 kV (19.5 kV MCOV)	AZES093G019024
				27 kV (22.0 kV MCOV)	AZES094G022027
				30 kV (24.4 kV MCOV)	AZES094G024030
				33 kV (27.5 kV MCOV)	AZES094G027033
				36 kV (29.0 kV MCOV)	AZES094G029036
				39 kV (31.5 kV MCOV)	AZES095G031039
				42 kV (34.0 kV MCOV)	AZES095G034042
				45 kV (36.5 kV MCOV)	AZES095G036045
				48 kV (39.0 kV MCOV)	AZES095G039048

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>STATION-CLASS SURGE ARRESTERS - POLYMER-HOUSED</b>					
Station-Class Surge Arrester, Type US, UltraSIL Polymer-Housed  	235-103 S235-103-1	Overvoltage protection for substation equipment.	Station-Class, polymer-housed, MOV arrester, for overvoltage protection of electrical equipment.	3 kV, (2.55 kV MCOV)	USAA003002A0845A11
				6 kV, (5.1 kV MCOV)	USAA006005A1045A11
				9 kV, (7.65 kV MCOV)	USAA009007A1045A11
				10 kV, (8.4 kV MCOV)	USAA010008A1045A11
				12 kV, (10.2 kV MCOV)	USAA012010A1245A11
				15 kV, (12.7 kV MCOV)	USAA015012A1245A11
				18 kV, (15.3 kV MCOV)	USAA018015A1445A11
				21 kV, (17.0 kV MCOV)	USAA021017A1445A11
				24 kV, (19.5 kV MCOV)	USAA024019A1645A11
				27 kV, (22.0 kV MCOV)	USAA027022A1645A11
				30 kV, (24.4 kV MCOV)	USAA030024A1845A11
				33 kV, (27.5 kV MCOV)	USAA033027A1845A11
				36 kV, (29.0 kV MCOV)	USAA036029A1845A11
				39 kV, (31.5 kV MCOV)	USAA039031A2245A11
				42 kV, (34.0 kV MCOV)	USAA042034A2245A11
				45 kV, (36.5 kV MCOV)	USAA045036A2445A11
				48 kV, (39.0 kV MCOV)	USAA048039A2645A11
				54 kV, (42.0 kV MCOV)	USAA054042A2645A11
				60 kV, (48.0 kV MCOV)	USAA060048A2845A11
				66 kV, (53.0 kV MCOV)	USAA066053A3645A11
				72 kV, (57.0 kV MCOV)	USAA072057A3645A11
				78 kV, (62.0 kV MCOV)	USAA078062A4045A11
				84 kV, (68.0 kV MCOV)	USAA084068A4445A11
				90 kV, (70.0 kV MCOV)	USAA090070A4645A11
				96 kV, (76.0 kV MCOV)	USAA096076A4845A11
				108 kV, (84.0 kV MCOV)	USAA108084A5245A11
				120 kV, (98.0 kV MCOV)	USAA120098A5645A11
				132 kV, (106.0 kV MCOV)	USAA132106A6045A11
				138 kV, (111.0 kV MCOV)	USAA138111A6445A11
				144 kV, (115.0 kV MCOV)	USAA144115A6445A11
				162 kV, (130.0 kV MCOV)	USAA162130A8045A11

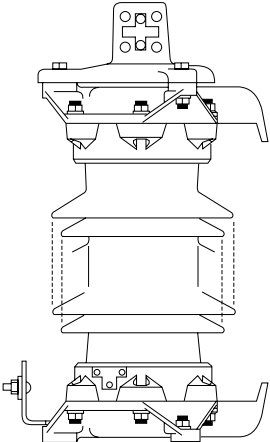


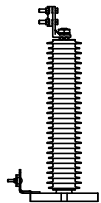
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Station-Class Surge Arrester, Type US, UltraSIL Polymer-Housed (continued)	235-103 S235-103-1			168 kV, (131.0 kV MCOV)	USAA168131A8245A11
				172 kV, (140.0 kV MCOV)	USAA172140A8445A11
				180 kV, (144.0 kV MCOV)	USAA180144A8645A11
				192 kV, (192.0 kV MCOV)	USAA192152A8845A11
				198 kV, (160.0 kV MCOV)	USAA198160A9245A11
				204 kV, (165.0 kV MCOV)	USAA204165A9445A11
				216 kV, (174.0 kV MCOV)	USAA216174AA645A11
				228 kV, (180.0 kV MCOV)	USAA228180AB045A11
				240 kV, (190.0 kV MCOV)	USAA240190AB245A11
Station-Class Surge Arrester, Type UH, UltraSIL Polymer-Housed H = High Energy Handling 5.6 kJ/kV of MCOV (3-108 kV) 8.9 kJ/kV of MCOV (120-240 kV)  	235-103 S235-103-1	Overvoltage protection for substation equipment.	Station Class, polymer-housed MOV arrester, for overvoltage protection of electrical equipment.	3 kV, (2.55 kV MCOV)	UHAA003002A0845A11
				6 kV, (5.1 kV MCOV)	UHAA006005A1045A11
				9 kV, (7.65 kV MCOV)	UHAA009007A1045A11
				10 kV, (8.4 kV MCOV)	UHAA010008A1045A11
				12 kV, (10.2 kV MCOV)	UHAA012010A1245A11
				15 kV, (12.7 kV MCOV)	UHAA015012A1245A11
				18 kV, (15.3 kV MCOV)	UHAA018015A1445A11
				21 kV, (17.0 kV MCOV)	UHAA021017A1445A11
				24 kV, (19.5 kV MCOV)	UHAA024019A1645A11
				27 kV, (22.0 kV MCOV)	UHAA027022A1645A11
				30 kV, (24.4 kV MCOV)	UHAA030024A1845A11
				33 kV, (27.5 kV MCOV)	UHAA033027A1845A11
				36 kV, (29.0 kV MCOV)	UHAA036029A1845A11
				39 kV, (31.5 kV MCOV)	UHAA039031A2245A11
				42 kV, (34.0 kV MCOV)	UHAA042034A2245A11
				45 kV, (36.5 kV MCOV)	UHAA045036A2445A11
				48 kV, (39.0 kV MCOV)	UHAA048039A2645A11
				54 kV, (42.0 kV MCOV)	UHAA054042A2645A11
				60 kV, (48.0 kV MCOV)	UHAA060048A2845A11
				66 kV, (53.0 kV MCOV)	UHAA066053A3045A11

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Station-Class Surge Arrester, Type UH, UltraSIL Polymer-Housed H = High Energy Handling 5.6 kJ/kV of MCOV (3-108 kV) 8.9 kJ/kV of MCOV (120-240 kV) (continued) 	235-103 S235-103-1			72 kV, (57.0 kV MCOV)	UHAA072057A3245A11
				78 kV, (62.0 kV MCOV)	UHAA078062A4045A11
				84 kV, (68.0 kV MCOV)	UHAA084068A4445A11
				90 kV, (70.0 kV MCOV)	UHAA090070A4645A11
				96 kV, (76.0 kV MCOV)	UHAA096076A4845A11
				108 kV, (84.0 kV MCOV)	UHAA108084A5245A11
				120 kV, (98.0 kV MCOV)	UHAA120098A5645A11
				132 kV, (106.0 kV MCOV)	UHAA132106A6045A11
				138 kV, (111.0 kV MCOV)	UHAA138111A6445A11
				144 kV, (115.0 kV MCOV)	UHAA144115A6445A11
				162 kV, (130.0 kV MCOV)	UHAA162130A8045A11
				168 kV, (131.0 kV MCOV)	UHAA168131A8245A11
				172 kV, (140.0 kV MCOV)	UHAA172140A8445A11
				180 kV, (144.0 kV MCOV)	UHAA180144A8645A11
				192 kV, (192.0 kV MCOV)	UHAA192152A8845A11
				198 kV, (160.0 kV MCOV)	UHAA198160A9245A11
				204 kV, (165.0 kV MCOV)	UHAA204165A9445A11
				216 kV, (174.0 kV MCOV)	UHAA216174AA645A11
				228 kV, (180.0 kV MCOV)	UHAA228180AB045A11
				240 kV, (190.0 kV MCOV)	UHAA240190AB245A11
Station-Class Surge Arrester, Type UX, UltraSIL Polymer-Housed X = Xtra-High Energy Handling (8.9 kJ/kV MCOV) 	235-103 S235-103-1	Overvoltage protection for substation equipment.	Station-Class, polymer-housed MOV arrester, for overvoltage protection of electrical equipment.	3 kV (2.55 kV MCOV), Silicone Rubber-Housed MOV Arrester, 8.75" - 10" Bolt Circle, NEMA Conn.	UXAA003002A0845A11
				6 kV (5.1 kV MCOV)	UXAA006005A1045A11
				9 kV (7.65 kV MCOV)	UXAA009007A1045A11
				10 kV (8.4 kV MCOV)	UXAA010008A1045A11
				12 kV (10.2 kV MCOV)	UXAA012010A1245A11
				15 kV (12.7 kV MCOV)	UXAA015012A1245A11
				18 kV (15.3 kV MCOV)	UXAA018015A1445A11
				21 kV (17.0 kV MCOV)	UXAA021017A1445A11
				24 kV (19.5 kV MCOV)	UXAA024019A1645A11
				27 kV (22.0 kV MCOV)	UXAA027022A1645A11
				30 kV (24.4 kV MCOV)	UXAA030024A1845A11
				33 kV (27.5 kV MCOV)	UXAA033027A1845A11
				36 kV (29.0 kV MCOV)	UXAA036029A1845A11
				39 kV (31.5 kV MCOV)	UXAA039031A2245A11

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
Station-Class Surge Arrester, Type UX, UltraSIL Polymer-Housed (continued)	235-103 S235-103-1			42 kV (34.0 kV MCOV)		UXAA042034A2245A11
				45 kV (36.5 kV MCOV)		UXAA045036A2445A11
				48 kV (39.0 kV MCOV)		UXAA048039A2645A11
				54 kV (42.0 kV MCOV)		UXAA054042A2645A11
				60 kV (48.0 kV MCOV)		UXAA060048A2845A11
				66 kV (53.0 kV MCOV)		UXAA066053A3045A11
				72 kV (57.0 kV MCOV)		UXAA072057A3245A11
				78 kV (62.0 kV MCOV)		UXAA078062A4045A11
				84 kV (68.0 kV MCOV)		UXAA084068A4445A11
				90 kV (70.0 kV MCOV)		UXAA090070A4645A11
				96 kV (76.0 kV MCOV)		UXAA096076A4845A11
				108 kV (84.0 kV MCOV)		UXAA108084A5245A11
VariSTAR AZG3 Surge Arresters for Systems through 345 kV IEC 10-kA; Line Discharge Class 3  	I235-83 IS235-81-1	Overvoltage protection on medium-voltage class power and substation equipment.	Metal Oxide Station-Class, porcelain housed surge arresters for overvoltage protection of substation electrical equipment. Metal top design, IEC Certified.	$U_r$ Arrester Rating (kV, rms)	$U_c$ Arrester COV (kV, rms)	
				3	2.55	AZG3001G002003
				6	5.10	AZG3001G005006
				9	7.65	AZG3001G007009
				10	8.40	AZG3002G008010
				12	10.2	AZG3002G010012
				15	12.7	AZG3002G012015
				18	15.3	AZG3003G015018
				21	17.0	AZG3003G017021
				24	19.5	AZG3003G019024
				27	22.0	AZG3004G022027
				30	24.4	AZG3004G024030
				33	27.5	AZG3004G027033
				36	29.0	AZG3004G029036
				39	31.5	AZG3005G031039
				42	34.0	AZG3005G034042
				45	36.5	AZG3005G036045
				48	39.0	AZG3005G039048
				54	42.0	AZG3006G042054
				60	48.0	AZG3006G048060
				66	53.0	AZG3007G053066

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
VariSTAR AZG3 Surge Arrester (continued)	I235-83 IS235-81-1			U <sub>r</sub> Arrester Rating (kV, rms)	U <sub>c</sub> Arrester COV (kV, rms)	
				72	57.0	AZG3007G057072
				78	62.0	AZG3008G062078
				84	68.0	AZG3008G068084
				90	70.0	AZG3008G070090
				96	76.0	AZG3008G076096
				108	84.0	AZG3009G084108
				120	98.0	AZG3009G098120
				132	106.0	AZG3012G106132
				138	111.0	AZG3012G111138
				144	115.0	AZG3013G115144
				162	130.0	AZG3014G130162
				168	131.0	AZG3015G131168
				172	140.0	AZG3021G140172
				180	144.0	AZG3022G144180
				192	152.0	AZG3022G152192
				198	160.0	AZG3023G160198
				204	165.0	AZG3024G165204
				216	174.0	AZG3024G174216
				228	182.0	AZG3025G182228
				240	190.0	AZG3025G190240
				258	209.0	AZG3027G209258
				264	212.0	AZG3027G212264
				276	220.0	AZG3029G220276
				288	230.0	AZG3029G230288
				294	235.0	AZG3030G235294
				300	239.0	AZG3030G239300
				312	245.0	AZG3031G245312

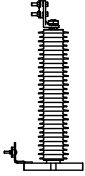
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
<p>VariSTAR Type AZG4 Surge Arresters for Systems through 400 kV IEC 20-kA; Line Discharge Class 4</p> 	I235-84 IS235-84-1	Overvoltage protection of high-voltage systems through 400 kV.	Metal Oxide Station-Class, porcelain housed surge arresters for overvoltage protection of substation electrical equipment. Metal top design, IEC Certified.	U <sub>r</sub> Arrester Rating (kV, rms)	U <sub>c</sub> Arrester COV (kV, rms)	
				3	2.55	AZG4041G002003
				6	5.10	AZG4041G005006
				9	7.65	AZG4041G007009
				10	8.40	AZG4042G008010
				12	10.2	AZG4042G010012
				15	12.7	AZG4042G012015
				18	15.3	AZG4043G015018
				21	17.0	AZG4043G017021
				24	19.5	AZG4043G019024
				27	22.0	AZG4044G022027
				30	24.4	AZG4044G024030
				33	27.5	AZG4044G027033
				36	29.0	AZG4044G029036
				39	31.5	AZG4045G031039
				42	34.0	AZG4045G034042
				45	36.5	AZG4045G036045
				48	39.0	AZG4045G039048
				54	42.0	AZG4046G042054
				60	48.0	AZG4046G048060
				66	53.0	AZG4047G053066
				72	57.0	AZG4047G057072
				78	62.0	AZG4048G062078
				84	68.0	AZG4048G068084
				90	70.0	AZG4048G070090
				96	76.0	AZG4048G076096
				108	84.0	AZG4049G084108
				120	98.0	AZG4049G098120
				132	106.0	AZG4052G106132
				138	111.0	AZG4052G111138
				144	115.0	AZG4053G115144

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
VariSTAR AZG4 Surge Arrester (continued)	I235-84 IS235-84-1			162	130.0	AZG4054G130162
				168	131.0	AZG4055G131168
				172	140.0	AZG4061G140172
				180	144.0	AZG4062G144180
				192	152.0	AZG4062G152192
				198	160.0	AZG4063G160198
				204	165.0	AZG4064G165204
				216	174.0	AZG4064G174216
				228	182.0	AZG4065G182228
				240	190.0	AZG4065G190240
				258	209.0	AZG4067G209258
				264	212.0	AZG4067G212264
				276	220.0	AZG4069G220276
				288	230.0	AZG4069G230288
				294	235.0	AZG4070G235294
				300	239.0	AZG4070G239300
				312	245.0	AZG4071G245312
				330	267.0	AZG4074G267330
				336	269.0	AZG4074G269336
				360	289.0	AZG4075G289360
UltraSIL Polymer-Housed VariSTAR Type U2 Surge Arrester for Systems through 275 kV IEC 10-kA; Line Discharge Class 2  	I235-92 S235-92-1	Overvoltage Protection of medium-voltage class power and substation equipment.	Station-Class, polymer-housed MOV arrester, for overvoltage protection of electrical equipment, IEC Certified.	U <sub>r</sub> Arrester Rating (kv, rms)	U <sub>C</sub> Arrester COV (kV, rms)	
				3	2.55	U200300206B5AAA
				6	5.10	U200600506B5AAA
				9	7.65	U200900708B5AAA
				10	8.40	U201000808B5AAA
				12	10.2	U201201010B5AAA
				15	12.7	U201501212B5AAA
				18	15.3	U201801512B5AAA
				21	17.0	U202101712B5AAA
				24	19.5	U202401914B5AAA
				27	22.0	U202702216B5AAA

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
UltraSIL Polymer-Housed VariSTAR Type U2 Surge Arrester (continued)	I235-92 IS235-92-1			U <sub>r</sub> Arrester Rating (kV, rms)	U <sub>c</sub> Arrester COV (kV, rms)	
				30	24.4	U203002418B5AAA
				33	27.5	U203302718B5AAA
				36	29.0	U203602918B5AAA
				39	34.5	U203903120B5AAA
				42	34.0	U204203422B5AAA
				45	36.5	U204503622B5AAA
				48	39.0	U204803926B5AAA
				54	42.0	U205404226B5AAA
				60	48.0	U206004830B5AAA
				66	53.0	U206605338B5AAA
				72	57.0	U207205740B5AAA
				78	62.0	U207806242B5AAA
				84	68.0	U208406846B5AAA
				90	70.0	U209007046B5AAA
				96	76.0	U209607648B5AA1
				108	84.0	U210808454B5AA1
				120	98.0	U21200986045AA1
				132	106.0	U21321067645AA1
				138	111.0	U21381117845AA1
				144	115.0	U21441157845AA1
				162	130.0	U21621308645AA1
				168	131.0	U21681318645AA1
				172	140.0	U21721408845AA1
				180	144.0	U21801449045AA1
				192	152.0	U2192152A445AA1
				198	160.0	U2198160A845AA1
				204	165.0	U2204165B045AA1
				216	174.0	U2216174B445AA1
				228	182.0	U2228182B645AA1
				240	190.0	U2240190C045AA1

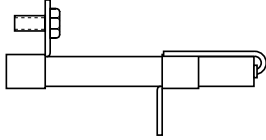
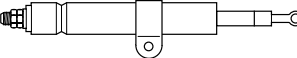
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
UltraSIL Polymer-Housed VariSTAR Type U3 Surge Arrester for Systems through 275 kV IEC 10 kA; Line Discharge Class 3	I235-98 IS235-98-1	Overvoltage protection of voltage-class power and substation equipment.	Station-Class, polymer-housed MOV arrester, for overvoltage protection of electrical equipment, IEC Certified.	U <sub>r</sub> Arrester Rating (kV, rms)	U <sub>c</sub> Arrester COV (kV, rms)	
				3	2.55	U3AA003002A0845AAA
				6	5.10	U3AA006005A1045AAA
				9	7.65	U3AA009007A1045AAA
				10	8.40	U3AA010008A1045AAA
				12	10.2	U3AA012010A1245AAA
				15	12.7	U3AA015012A1245AAA
				18	15.3	U3AA018015A1445AAA
				21	17.0	U3AA021017A1445AAA
				24	19.5	U3AA024019A1645AAA
				27	22.0	U3AA027022A1645AAA
				30	24.4	U3AA030024A1845AAA
				33	27.5	U3AA033027A1845AAA
				36	29.0	U3AA036029A1845AAA
				39	31.5	U3AA039031A2245AAA
				42	34.0	U3AA042034A2245AAA
				45	36.5	U3AA045036A2445AAA
				48	39.0	U3AA048039A2645AAA
				54	42.0	U3AA054042A2645AAA
				60	48.0	U3AA060048A2845AAA
				66	53.0	U3AA066053A3045AAA
				72	57.0	U3AA072057A3245AAA
				78	62.0	U3AA078062A4045AAA
				84	68.0	U3AA084068A4445AAA
				90	70.0	U3AA090072A4645AAA
				96	76.0	U3AA096076A4845AAA
				96	77.0	U3AA096077A5045AAA
				108	84.0	U3AA108084A5245AAA
				120	98.0	U3AA120098A5645AAA
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				144	115.0	U3AA144115A6445AAA



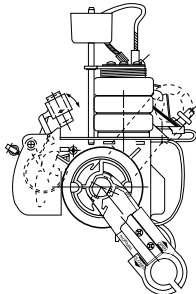
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
UltraSIL Polymer-Housed VariSTAR Type U3 Surge Arrester (continued)	I235-98 IS235-98-1			150	120.0	U3AA150120A7845AAA
				162	130.0	U3AA162130A8045AAA
				168	131.0	U3AA168131A8245AAA
				172	140.0	U3AA172140A8445AAA
				180	144.0	U3AA180144A8645AAA
				192	152.0	U3AA192152A8845AAA
				198	160.0	U3AA198160A9245AAA
				204	165.0	U3AA204165A9445AAA
				216	174.0	U3AA216174AA645AAA
				228	180.0	U3AA228180AB045AAA
				240	190.0	U3AA240190AB245AAA
UltraSIL Polymer-Housed VariSTAR Type U4 Surge Arrester for Systems through 275 kV IEC 20 kA; Line Discharge Class 4  	I235-99 IS235-99-1	Overvoltage protection of high voltage class power and substation equipment.	Station-Class, polymer-housed MOV arrester, for overvoltage protection of electrical equipment, IEC Certified.	U <sub>r</sub> Arrester Rating (kV, rms)	U <sub>c</sub> Arrester COV (kV, rms)	
				3	2.55	U4AA003002A0845AAA
				6	5.10	U4AA006005A1045AAA
				9	7.65	U4AA009007A1045AAA
				10	8.40	U4AA010008A1045AAA
				12	10.2	U4AA012010A1245AAA
				15	12.7	U4AA015012A1245AAA
				18	15.3	U4AA018015A1445AAA
				21	17.0	U4AA021017A1445AAA
				24	19.5	U4AA024019A1645AAA
				27	22.0	U4AA027022A1645AAA
				30	24.4	U4AA030024A1845AAA
				33	27.5	U4AA033027A1845AAA
				36	29.0	U4AA036029A1845AAA
				39	31.5	U4AA039031A2245AAA
				42	34.0	U4AA042034A2245AAA
				45	36.5	U4AA045036A2445AAA
				48	39.0	U4AA048039A2645AAA
				54	42.0	U4AA054042A2645AAA
				60	48.0	U4AA060048A2845AAA
				66	53.0	U4AA066053A3045AAA
				72	57.0	U4AA072057A3245AAA

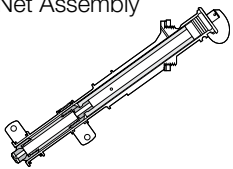
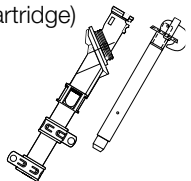

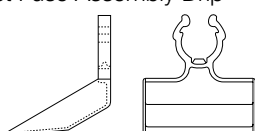
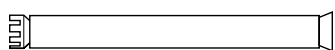
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings		Catalog Numbers
UltraSIL Polymer-Housed VariSTAR Type U4 Surge Arrester (continued)	I235-99 IS235-99-1			<b>U<sub>r</sub> Arrester Rating (kV, rms)</b>	<b>U<sub>c</sub> Arrester COV (kV, rms)</b>	
				78	62.0	U4AA078062A4045AAA
				84	68.0	U4AA084068A4445AAA
				90	70.0	U4AA090072A4645AAA
				96	76.0	U4AA096076A4845AAA
				96	77.0	U4AA096077A5045AAA
				108	84.0	U4AA108084A5245AAA
				120	98.0	U4AA120098A5645AAA
				132	106.0	U4AA132106A6045AAA
				138	111.0	U4AA138111A6445AAA
				144	115.0	U4AA144115A6445AAA
				150	120.0	U4AA150120A7845A11
				162	130.0	U4AA162130A8045AAA
				168	131.0	U4AA168131A8245AAA
				172	140.0	U4AA172140A8445AAA
				180	144.0	U4AA180144A8645AAA
				192	152.0	U4AA192152A8845AAA
				198	160.0	U4AA198160A9245AAA
				204	165.0	U4AA204165A9445AAA
				216	174.0	U4AA216174AA645AAA
				228	180.0	U4AA228180AB045AAA
				240	190.0	U4AA240190AB245AAA
Surge Arrester Insulating Bases and Counters	S235-81-1			<b>Description of Counters</b>		
				Counter without Leakage Current Meter		AM22A1
				Counter with Leakage Current Meter (0-30MA)		AM22A2
				Counter with Leakage Current Meter (0-50MA)		AM22A3
				AM22A1 with Auxiliary Contact		AM22A11
				AM22A2 with Auxiliary Contact		AM22A12
				<b>Description of Bases</b>		
				For all (multi section) AZE and AZG arresters		AM26A1A
				UI, US, UH, U2, U3, U4 arresters and AZE-AZG arresters rated 120 kV (single section) or below		AM23A1


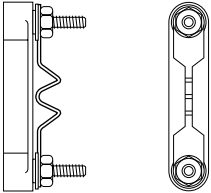
# Fusing Products

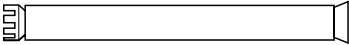
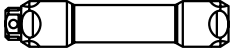
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>EXPULSION FUSES</b>					
Oil-immersed, Current-Sensing Weak-Link Cartridge Fuse  	240-31 S240-31-1	Expulsion fuse used to protect CSP transformers and pad-mounted transformers.	Fuse link shall be mounted under oil and clear overload currents, secondary faults, and primary faults through its maximum interrupting rating.	10 A, 8.3 kV, 2000 A Interrupting	3437718C05M
				15 A	3437718C07M
				25 A	3437718C10M
				40 A	3437718C12M
				65 A	3437718C16M
				140 A	3437718C18M
				10 A, 15.5 kV, 1000 A Interrupting	3437719C05M
				15 A	3437719C07M
				25 A	3437719C10M
				40 A	3437719C12M
				65 A	3437719C16M
				140 A	3437719C18M
Oil-immersed, Dual-Sensing Weak-Link Cartridge Fuse  	240-32 S240-31-1	Expulsion fuse used to protect CSP transformer and pad-mounted transformers	Fuse shall be mounted under-oil and operate due to high currents and also operate due to high oil temperature, thus providing thermal protection to the transformer.	8 A, 8.3 kV, 2000 A Interrupting	3437722C05M
				15 A	3437722C08M
				25 A	3437722C10M
				40 A	3437722C12M
				100 A	3437628C16M
				140 A	3437628C18M
				8 A, 15.5 kV, 1000 A Interrupting	3437723C05M
				15 A	3437723C08M
				25 A	3437723C10M
				40 A	3437723C12M
				100 A	3437629C16M
				140 A	3437629C18M

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>INTERRUPTER</b>					
MagneX Interrupter Two- and Three-Phase	240-33 S240-33-1	Primary overcurrent protection of pole-mounted and pad-mounted three-phase transformer.	Breaker shall be installed on the primary side of transformer. Breaker shall have the capability to energize and de-energize the three-phase transformer by one hotstick operation.		
<p>Example: To order a two- or three- phase MagneX Interrupter without indicator, single-phase trip, with float and E12 sensor, the catalog number would be <b>MX3BN1SYE12</b>. (Refer to Catalog Section 240-33.)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>← <b>Standard</b> →</p> <p>Digits: 1 2 3 4 5</p> <p><b>M X 3 B N</b></p> <div style="margin-top: 10px;"> <p><b>Product</b> MagneX</p> <p><b>Phases</b> 2-Two 3-Three</p> <p><b>Indicator</b> B-w/o Indicator</p> <p><b>Overload</b> N-Non EO</p> </div> </div> <div style="text-align: center;"> <p>← <b>Options</b> →</p> <p>6 7 8 9 10 11</p> <p><b>1 M D E 1 2</b></p> <div style="margin-top: 10px;"> <p><b>System Connection</b> D-Delta Y-Wye <b>Note:</b> For 2-Phase MagneX must be "D"</p> <p><b>Trip Type</b> M-Multi-Phase Trip* S-Single-Phase Trip** <b>Note:</b> For 2-Phase MagneX must be "M" * If M, only select D for System Connection (digit 8) ** If S, only select Y for System Connection (digit 8)</p> <p><b>Float</b> 1-w/Float 2-w/o Float</p> <p><b>Sensor Size</b> E01 E03 E06 E10 E12 E18 E25 E30 E40 E50</p> </div> </div> </div> <p><b>Notes:</b>  * For a Two-phase MagneX, digit 8 must be a "D".  ** For a Two-phase MagneX, digit 7 must be an "M".</p>					


Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers																																																																																			
MagneX Interrupter with Indicator 	240-34 S240-34-1	Primary overcurrent protection of pole-mounted and pad-mounted single-phase transformer.	Breaker shall be installed on the primary side of transformer. Breaker shall have the capability to energize and de-energize the single-phase transformer by one hotstick operation.		<div>Example: To order a single-phase MagneX Interrupter without indicator, single-phase trip, with float and E12 sensor, the catalog number would be <b>MX1BN1SYE12</b>. (Refer to Catalog Section 240-34.)</div> <table><thead><tr><th colspan="3">Standard</th><th colspan="3">Options</th><th colspan="3">Standard</th><th colspan="2">Options</th></tr><tr><th>Digits:</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th></tr></thead><tbody><tr><td></td><td>M</td><td>X</td><td>1</td><td>A</td><td>E</td><td>1</td><td>S</td><td>Y</td><td>E</td><td>1</td><td>2</td></tr><tr><td></td><td colspan="3"><b>Product</b> MagneX</td><td></td><td></td><td></td><td></td><td colspan="2"><b>System Connection</b> Y-Wye</td><td colspan="2"><b>Sensor Size</b> E01 E03 E06 E10 E12 E18 E25 E30 E40 E50</td></tr><tr><td></td><td colspan="3"><b>Phases</b> 1-One</td><td></td><td></td><td></td><td colspan="2"><b>Trip Type</b> S-Single-Phase Trip</td><td></td><td></td><td></td></tr><tr><td></td><td colspan="3"><b>Indicator</b> A-w/Indicator B-w/o Indicator</td><td></td><td></td><td></td><td colspan="2"><b>Float</b> 1-w/Float 2-w/o Float</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td colspan="3"><b>Overload</b> E-EO N-Non EO</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Standard			Options			Standard			Options		Digits:	1	2	3	4	5	6	7	8	9	10	11		M	X	1	A	E	1	S	Y	E	1	2		<b>Product</b> MagneX							<b>System Connection</b> Y-Wye		<b>Sensor Size</b> E01 E03 E06 E10 E12 E18 E25 E30 E40 E50			<b>Phases</b> 1-One						<b>Trip Type</b> S-Single-Phase Trip						<b>Indicator</b> A-w/Indicator B-w/o Indicator						<b>Float</b> 1-w/Float 2-w/o Float									<b>Overload</b> E-EO N-Non EO							
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Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>BAY-O-NET HOLDER/FUSES</b>					
Sidewall-Mounted Flapper Bay-O-Net Assembly 	240-40 S240-40-2 S240-40-3	Holder for Bay-O-Net fuse. Used to protect pad-mounted transformers.	Bay-O-Net Assembly shall include a valve that will shut when the inner holder is removed from the housing and minimize oil from spilling out of the Bay-O-Net Assembly when the stabber is removed.	through 23 kV	4000361C99FV Note: Also available without Flapper Valve 4000361C99MC, with flapper valve and vent hole 4000361C79FV
Sidewall-Mounted Flapper Bay-O-Net Housing with Silver Plated Contacts with Inner Holder Only (No Cartridge) 	240-40 S240-40-2 S240-40-3	Holder for high ampere Bay-O-Net fuse and silver plated fuse cartridge. Used to protect large kVA transformers.	Bay-O-Net Assembly shall have silver plated contacts and include a valve that will shut when the inner holder is removed; thus minimizing oil-spillage from the Bay-O-Net when the stabber is removed.	through 23 kV Housing with silver plated contacts, inner holder only (no cartridge)	4038804B03M
Cover-Mounted Bay-O-Net Assembly 	240-40 S240-40-3	Bay-O-Net holder used for submersible transformers.	Bay-O-Net Assembly shall mount in the cover of submersible transformers.	through 23 kV	4001177B51MC (short) 400177B53MC (long)
Bay-O-Net Fuse Assembly Drip Guard 	240-41	Clamps on sidewall-mounted Bay-O-Net Assembly. Catches oil emitted from tank during removal of Bay-O-Net Fuse Holder.	Drip Guard shall clamp onto the Bay-O-Net Housing and catch oil that may come out of the housing when the stabber is removed.		4004352B02
Current Sensing Bay-O-Net Fuse Link 	240-45 S240-40-3	Field replaceable expulsion fuse used for protecting deadfront pad-mounted transformers.	Bay-O-Net mounted fuse link shall clear overload currents, secondary faults, and primary faults through its maximum interrupting rating.	6 A, Bay-O-Net Fuse	4000353C04B
				10 A	4000353C06B
				15 A	4000353C08B
				25 A	4000353C10B
				40 A	4000353C12B
				65 A	4000353C14B
				100 A	4000353C16B
				140 A	4000353C17B

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Dual Sensing Bay-O-Net Fuse Link 	240-46 S240-40-3	Field replaceable expulsion fuse used for protecting deadfront pad-mounted transformers. Provides thermal protection to transformers.	Bay-O-Net mounted fuse link shall clear overload currents, secondary faults, and primary faults caused by high currents and also operate due to high oil temperature, thus providing thermal protection to the transformer.	3 A, Bay-O-Net Fuse	4000358C03B
				8 A	4000358C05B
				15 A	4000358C08B
				25 A	4000358C10B
				50 A	4000358C12B
				65 A	4000358C14B
				100 A, Bay-O-Net Fuse Link with Integral Cartridge and End Plug	4000358C16CB
				140 A, Bay-O-Net Fuse Link with Integral Cartridge and End Plug	4000358C18CB
Isolation Link 	240-47 S240-40-3 (Bay-O-Net Fuse) S240-34-1 (MagneX)	Used in series with Bay-O-Net Fuse or MagneX Interrupter. Melts open during transformer failure so line person can't re-energize failed transformer.	Isolation link shall be coordinated with the Bay-O-Net Fuse or MagneX Interrupter to melt only when a primary transformer failure occurs, preventing a line person from re-energizing a faulted transformer.	Bay-O-Net Fuse	Isolation Link
				<b>Current Sensing Fuses</b>	
				4000353C04	3001861A01M
				4000353C06	3001861A02M
				4000353C08	3001861A02M
				4000353C10	3001861A03M
				4000353C12	3001861A03M
				4000353C14	3001861A05M
				4000353C16	3001861A05M
				4000353C17	3001861A05M
				<b>Dual Sensing Fuses</b>	
				4000358C03	3001861A01M
				4000358C05	3001861A02M
				4000358C08	3001861A03M
				4000358C10	3001861A05M
				4000358C12	3001861A06M
				4000358C14	3001861A07M
				4000358C16CB	3001861A07M
				4000358C18CB	3001861A07M
				<b>Dual Element Fuses</b>	
				4038108C03	3001861A01M
				4038108C04	3001861A01M
				4038108C05	3001861A02M
				4038108C06	3001861A02M
				4038108C07	3001861A02M
				4038108C09	3001861A03M
				4038108C11	3001861A03M
				4038108C12	3001861A03M

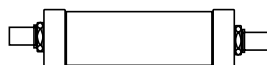
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Isolation Link (continued)	240-47			<b>High Ampere Overload Fuses</b>	
				4038361C03CB	3001861A05M
				4038361C04CB	3001861A05M
				4038361C05CB	3001861A06M
				<b>MagneX Sensor Number</b>	
				<b>Sensor Number</b>	<b>Isolation Link</b>
				E01	3637803B01
				E03	3637803B08
				E06	3637803B02
				E10	3637803B09
				E12	3637803B10
				E18	3637803B03
				E25	3637803B03
				E30	3637803B05
				E40	3637803B05
				E50	3637803B05
Dual Element Bay-O-Net Fuse Link 	240-48 S240-40-3	Field replaceable expulsion fuse used for protecting deadfront pad-mounted transformers. Provides thermal protection to transformer and coordinates well with backup current-limiting fuse.	Bay-O-Net mounted fuse link shall clear overload currents, secondary faults, and primary faults caused by high currents and also operate due to high oil temperature, thus providing thermal protection to the transformer.	<b>Continuous Current Ratings</b>	
				5 A	4038108C03B
				6 A	4038108C04B
				8 A	4038108C05B
				12 A	4038108C06B
				15 A	4038108C07B
				25 A	4038108C09B
				40 A	4038108C11B
				50 A	4038108C12B
				65 A	4038108C14B
High Ampere Overload Bay-O-Net Link 	240-49 S240-40-3	Field replaceable expulsion fuse used for deadfront pad-mounted transformers. Provides overload protection for large kVA transformers.	Bay-O-Net mounted fuse shall have silver plated contacts and will operate for overload currents as well as fault currents through its maximum interrupt rating.	65 A	4038361C03CB
				100 A	4038361C04CB
				125 A	4038361C05CB
				Shorting Bar (Solid Link)	4038361C10CB




Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>UNDER-OIL BACKUP CURRENT-LIMITING FUSES</b>					
ELSP Current-Limiting Backup Fuse  	240-98 S240-98-1	Used in series with low current clearing device to provide current-limiting transformer protection.	The under-oil mounted backup current-limiting fuse 30-250 A. Fuse shall be used in series with expulsion fuse and shall be properly coordinated to operate when transformer is internally faulted.	30 A, 8.3 kV	CBUC08030C100
				40 A	CBUC08040C100
				50 A	CBUC08050C100
				65 A	CBUC08065C100
				80 A, 8.3/9.9 kV*	CBUC08080C100
				100 A, 8.3/9.9 kV*	CBUC08100C100
				125 A	CBUC08125C100
				150 A	CBUC08150D100
				165 A	CBUC08165D100
				180 A	CBUC08180D100
				250 A	CBUC08250D100
				30 A, 9.9 kV	CBUC09030C100
				40	CBUC09040C100
				50	CBUC09050C100
				65	CBUC09065C100
				30 A, 15.5 kV	CBUC15030C100
				40 A	CBUC15040C100
				50 A	CBUC15050C100
				65 A	CBUC15065C100
				80 A, 15.5/17.2 kV**	CBUC15080C100
				100 A, 15.5/17.2 kV**	CBUC15100C100
				125 A, 15.5/17.2 kV**	CBUC15125C100
				150 A	CBUC15150D100
				165 A	CBUC15165D100
				180 A	CBUC15180D100
				30, 17.2 kV	CBUC17030C100
				40	CBUC17040C100
				50	CBUC17050C100
				65	CBUC17065C100


\* 8.3 kV fuse for use up to and including 9.9 kV (8.3/9.9 kV)

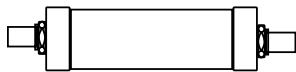
\*\* 15.5 kV fuse for use up to and including 17.2 kV (15.5/17.2 kV)

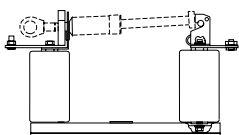
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
ELSP Current-Limiting Backup Fuse (continued)	240-98 S240-98-1			30 A, 23 kV	CBUC23030C100
				40 A	CBUC23040C100
				50 A	CBUC23050C100
				65 A	CBUC23065C100
				80 A	CBUC23080C100
				100 A	CBUC23100C100
				125 A	CBUC23125D100
				150 A	CBUC23150D100
				165 A	CBUC23165D100
				23 KV FUSE FOR USE ON 35 KV SYSTEMS, 150 A	CBUC35150D100
CLIP-MOUNTED CURRENT-LIMITING FUSES					
ELX Full-Range Current-Limiting Fuse  	240-55	Used for pad-mounted transformer protection. Mounted either in dry-well canister (deadfront) or in clip contacts (livefront).	Fuse shall provide full-range clearing capability and limit current and energy let-through when operating due to high currents. Fuse shall not emit gases when it operates, thus, making it suitable for drywell canister applications.	3 A, 8.3 kV, Code 4, ELX Full-Range Current-Limiting Fuse	3563003M11M
				6 A	3563006M11M
				8 A	3563008M11M
				10 A	3563010M11M
				12 A	3563012M11M
				18 A	3563018M11M
				20 A	3563020M11M
				25 A	3563025M11M
				30	3563030M11M
				40 A	3563040M11M
				50 A	3563050M11M
				3 A, 15.5 kV, Code 5, ELX Full-Range Current-Limiting Fuse	3564003M11M
				6 A	3564006M11M
				8 A	3564008M11M
				10 A	3564010M11M
				12 A	3564012M11M
				18 A	3564018M11M
				20 A	3564020M11M

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
ELX Full-Range Current-Limiting Fuse (continued)	240-55			25 A	3564025M11M
				30 A	3564030M11M
				40 A	3564040M11M
				50 A	3564050M11M
				3 A, 23 kV, Code 6, ELX Full-Range Current-Limiting Fuse	3565003M11M
				6 A	3565006M11M
				8 A	3565008M11M
				10 A	3565010M11M
				12 A	3565012M11M
				18 A	3565018M11M
				20 A	3565020M11M
				25 A	3565025M11M
				30 A	3565030M11M
				40 A	3565040M11M
				50A	3565025M11M(X2)
				60A	3565636M11M(X2)
				80A	3565040M11M(X2)

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
X-Limiter Full-Range Current-Limiting Fuse  	240-56 S240-56-1	Used for pad-mounted transformer protection. Mounted in clip contacts (livefront).	Fuse shall provide full-range current-clearing capability, and limit current and energy let-through to the system when operating due to primary transformer faults. Fuse shall not emit gases when it operates. Optional indicator is required.	10 A, 4.3 kV, Code 4, X-Limiter Clip-Style Fuse without indicator	43F010-I
				12 A	43F012-I
				18 A	43F018-I
				25 A	43F025-I
				35 A	43F035-I
				45 A	43F045-I
				50 A	43F050-I
				65 A	43F065-I
				75 A	43F075-I
				100 A	43F100-I
				10 A, 5.5 kV, Code 4, X-Limiter Clip-Style Fuse without indicator	55F010-I
				12 A	55F012-I
				18 A	55F018-I
				20 A	55F020-I
				25 A	55F025-I
				30 A	55F030-I
				40 A	55F040-I
				50 A	55F050-I
				65 A	55F065-I
				75 A	55F075-I
				10 A, 8.3 kV, Code 4, X-Limiter Clip-Style Fuse without indicator	83F010-I
				12 A	83F012-I
				18 A	83F018-I
				20 A	83F020-I
				25 A	83F025-I
				30 A	83F030-I
				40 A	83F040-I

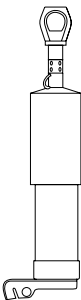
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
X-Limiter Full-Range Current-Limiting Fuse (continued)  	240-56 S240-56-1			50 A	83F050-DW
				50 A, 8.3 kV, Code 5, X-Limiter Clip-Style Fuse without indicator	83F050-I
				65 A	83F065-I
				80 A	83F080-I
				100 A	83F100-I
				125 A	83F125-I
				140 A	83F140-I
				10 A, 15.5 kV, Code 5, X-Limiter Clip-Style Fuse without indicator	155F010-I
				12 A	155F012-I
				18 A	155F018-I
				20 A	155F020-I
				25 A	155F025-I
				30 A	155F030-I
				40 A	155F040-I
				50 A	155F050-DW
				50 A, 15.5 kV, Code 6, X-Limiter Clip-Style Fuse without indicator	155F050-I
				65 A	155F065-I
				80 A	155F080-I
				100 A	155F100-I
				125 A	155F125-I
				10 A, 23 kV, Code 6, X-Limiter Clip-Style Fuse without indicator	23F010-I
				12 A	23F012-I
				18 A	23F018-I
				20 A	23F020-I
				25 A	23F025-I

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
X-Limiter Full-Range Current-Limiting Fuse (continued) 	240-56 S240-56-1			30 A	23F030-I
				40 A	23F040-I
				50 A	23F050-DW
				50 A, 23 kV, Code 9, X-Limiter Clip-Style Fuse without Indicator	23F050-I
				65 A	23F065-I
				80 A	23F080-I
				100 A	23F100-I
				130 A, 4.3 kV, Unitized X-Limiter Fuse Refill Units with Indicator	43F130-UI
				150 A	43F150-UI
				200 A	43F200-UI
				100 A, 5.5 kV, Unitized X-Limiter Fuse Refill Units with Indicator	55F100-UI
				130 A	55F130-UI
				150 A	55F150-UI
				60 A, 8.3 kV, Unitized X-Limiter Fuse Refill Units with Indicator	83F060-UI
				80 A	83F080-UI
				100 A	83F100-UI
				60 A, 15.5 kV, Unitized X-Limiter Fuse Refill Units with Indicator	155F060-UI
				80 A	155F080-UI
				100 A	155F100-UI

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Current-Limiting Fuse Holders  	240-59	Used for providing overload protection for all indoor and underground cable distribution systems.	Clip-style fuse holders capable of mounting full-range “NX”, “ELX”, or “X-Limiter” fuses (8.3 kV - 38 kV, Mounting Code 4-10), or Arc-Strangler fuse with hinge mounting.	8.3 kV, 95 kV BIL, Code 1, Single-Phase Hinge-Style Mounting with 105° Stop	FA1D1
				15.5 kV, 95 kV BIL, Code 2 with 105° Stop	FA1D2
				15.5 kV, 125 kV BIL, Code 2 with 105° Stop	FA1D4
				15.5 kV, 150 kV BIL, Code 2 with 105° Stop	FA1D5
				8.3 kV, 95 kV BIL, Code 1, Single-Phase Feed-through Common Latch Mounting, 5-INS-Style with 105° Stop	FA1E1
				15.5 kV, 110 kV BIL, Code 2 with 105° Stop	FA1E2
				15.5 kV, 125 kV BIL, Code 2 with 105° Stop	FA1E3
				8.3 kV, 95 kV BIL, Code 1, Three-Phase Hinge-Style Frame Mounting with 105° Stop	FA1F1
				15.5 kV, 95 kV BIL, Code 2 with 105° Stop	FA1F2
				15.5 kV, 125 kV BIL, Code 2 with 105° Stop	FA1F3
				8.3 kV, 95 kV BIL, Code 1, Single-Phase Parallel Hinge-Style Mounting with 105° Stop	FA1K1
				15.5 kV, 95 kV BIL, Code 2 with 105° Stop	FA1K2
				15.5 kV, 125 kV BIL, Code 2 with 105° Stop	FA1K3
				8.3 kV, 95 kV BIL, Code 1, Single-Phase Feed-Through, Common Latch Mounting, 4-INS-Style with 105° Stop	FA2E1
				15.5 kV, 125 kV BIL, Code 1 with 105° Stop	FA2E2
				15.5 kV, 125 kV BIL, Code 2 with 105° Stop	FA2E3
				8.3 kV, 95 kV BIL, Code 1, NX Open VI Style Frame Mounting with 105° Stop	FA5E1

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Current-Limiting Fuse Holders (continued)	240-59			8.3 kV, 95 kV BIL, Code 1, Single-Phase, Hinge-Style Mounting with 180° Stop	FAA1D1
				15.5 kV, 95 kV BIL, Code 2 with 180° Stop	FAA1D2
				8.3 kV, 95 kV BIL, Code 1, Single-Phase, Hinge-Style Mounting with 180° Stop	FAB1D1
				15.5 kV, 95 kV BIL, Code 5	FAB1D2
				15.5 kV, 95 kV BIL, Code 6 (with FA17X Mounting Base)	FAB1D5
				15.5 kV, 95 kV BIL, Code 6 (with FA406X Mounting Base)	FAB1D10
				15.5 kV, 125 kV BIL, Code 5	FAB1D4
				15.5 kV, 125 kV BIL, Code 6 (with FA17X Mounting Base)	FAB1D8
				15.5 kV, 125 kV BIL, Code 6 (with FA406X Mounting Base)	FAB1D11
				23 kV, 125 kV BIL, Code 6	FAB1D9
				23 kV, 150 kV BIL, Code 6	FAB1D3
				27 kV, 150 kV BIL, Code 9	FAB1D6
				38 kV, 150 kV BIL, Code 10	FAB1D7
				8.3 kV, 95 kV BIL, Code 4, Single-Phase, Clip-Style Mounting for Parallel Fuses	FAB1K1
				15.5 kV, 95 kV BIL, Code 5	FAB1K2
				15.5 kV, 125 kV BIL, Code 5	FAB1K3
				15.5 kV, 95 kV BIL, Code 6	FAB1K4
				15.5 kV, 95 kV BIL, Code 6	FAB1K5
				27 kV, 150 kV BIL, Code 9	FAB3K1
				38 kV, 150 kV BIL, Code 10	FAB3K2
				<b>Insulators</b>	
				95 kV BIL, Indoor, Standoff Insulator	FM2A1C
				125 kV BIL	FM2A3C
				150 kV BIL	FM2A2C
				95 kV BIL, Outdoor, Standoff Insulator	FM10A1C
				Tandem NX, Switch/Fuse Mounting, 8.3 kV, 95 kV BIL, Code 1/5	FAJ1D1
				Tandem NX, Switch/Fuse Mounting, 15.5 kV, 95 kV BIL, Code 1/6	FAJ1D2



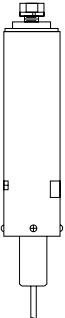
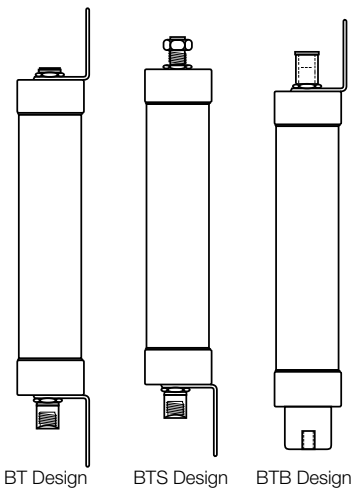
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Current-Limiting Fuse Holders (continued)	240-59			Tandem NX, Switch/Parallel Fuse, 8.3 kV, 95 kV BIL, Code 1/5	FAJ1K1
				Tandem NX, Switch/Parallel Fuse, 15.5 kV, 95 kV BIL, Code 1/6	FAJ1K2
				Tandem NX, Switch/Parallel Fuse, 8.3 kV, 95 kV BIL, Code 1/4	FAJ1K3
				Tandem NX, Fuse/Switch Mounting, 8.3 kV, 95 kV BIL, Code 5/1	FAJ3D1
				Tandem NX, Fuse/Switch Mounting, 15.5 kV, 95 kV BIL, Code 6/1	FAJ3D2
				Tandem NX, Parallel Fuse/Switch, 8.3 kV, 95 kV BIL, Code 5/1	FAJ3K1
				Tandem NX, Parallel Fuse/Switch, 15.5 kV, 95 kV BIL, Code 6/1	FAJ3K2
				Tandem NX, Parallel Fuse/Switch, 8.3 kV, 95 kV BIL, Code 4/1	FAJ3K3
NX Indoor Full-Range Current-Limiting Fuse  	240-60 S240-60-1	Used for pad-mounted transformer protection. Available in clip-style, or in hinge-style with Arc-Strangler loadbreak device.	Fuse shall provide full-range clearing capability and limit current and energy let-through when operating due to high currents. Hinge-style fuse shall have Arc-Strangler loadbreak feature to safely break load current when fuse is pulled out of upper contact of mounting.	18 A, 4.3 kV, Code 1, NX, Hinge-Style Fuse with Arc-Strangler loadbreak device	FA1A18
				25 A	FA1A25
				35 A	FA1A35
				45 A	FA1A45
				50 A	FA1A50
				65 A	FA1A65
				75 A	FA1A75
				100 A	FA1A100
				6 A, 5.5 kV, Code 1, NX, Hinge-Style Fuse with Arc-Strangler loadbreak device	FA2A6
				8 A	FA2A8
				10 A	FA2A10
				12 A	FA2A12
				18 A	FA2A18
				20 A	FA2A20
				25 A	FA2A25

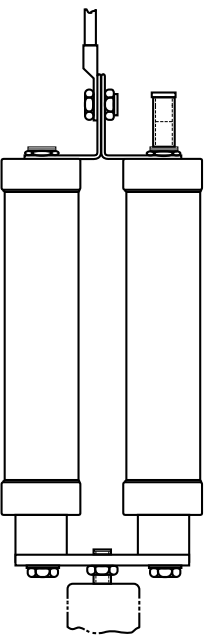
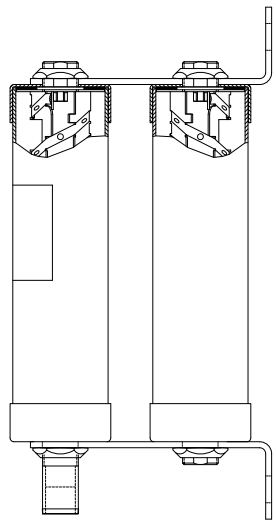
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
NX Indoor Full-Range Current-Limiting Fuse (continued)	240-60 S240-60-1			30 A	FA2A30
				40 A	FA2A40
				50 A	FA2A50
				65 A	FA2A65
				75 A	FA2A75
				1.5 A, 8.3 kV, Code 1, NX, Hinge-Style Fuse with Arc-Strangler loadbreak device	FA3A1
				3 A	FA3A3
				4.5 A	FA3A4
				6 A	FA3A6
				8 A	FA3A8
				10 A	FA3A10
				12 A	FA3A12
				18 A	FA3A18
				20 A	FA3A20
				25 A	FA3A25
				30 A	FA3A30
				40 A	FA3A40
				1.5 A, 15.5 kV, Code 2, NX, Hinge-Style Fuse with Arc-Strangler loadbreak device	FA4A1
				3 A	FA4A3
				4.5 A	FA4A4
				6 A	FA4A6
				8 A	FA4A8
				10 A	FA4A10
				12 A	FA4A12
				18 A	FA4A18
				20 A	FA4A20
				25 A	FA4A25
				30 A	FA4A30
				40 A	FA4A40
				8.3 kV, 200 A Code 1, NX, Arc-Strangler Switchblade	FA1B1
				15.5 kV, 200 A Short Blade, Code 1, NX, Arc-Strangler Switchblade	FA4B1
				15.5 kV, 200 A Long Blade, Code 2, NX, Arc-Strangler Switchblade	FA3B1

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
NX Indoor Full-Range Current-Limiting Fuse (continued)	240-60 S240-60-1			15.5 kV, 200 A Long Blade, Code 2, NX, Arc-Strangler Switchblade with Accessory Latch	FA8B1
				18 A, 4.3 kV, Code 4, NX, Clip-Style Fuse with Indicator	FA1H18
				25 A	FA1H25
				35 A	FA1H35
				45 A	FA1H45
				50 A	FA1H50
				65 A	FA1H65
				75 A	FA1H75
				100 A	FA1H100
				6 A, 5.5 kV, Code 4, NX, Clip-Style Fuse with Indicator	FA2H6
				8 A	FA2H8
				10 A	FA2H10
				12 A	FA2H12
				18 A	FA2H18
				20 A	FA2H20
				25 A	FA2H25
				30 A	FA2H30
				40 A	FA2H40
				50 A	FA2H50
				65 A	FA2H65
				75 A	FA2H75
				1.5 A, 8.3 kV, Code 4, NX, Clip-Style Fuse with Indicator	FA3H1
				3 A	FA3H3
				4.5 A	FA3H4
				6 A	FA3H6
				8 A	FA3H8
				10 A	FA3H10
				12 A	FA3H12
				18 A, 8.3 kV, Code 4, NX, Clip-Style Fuse with Indicator	FA3H18
				20 A	FA3H20

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
NX Indoor Full-Range Current-Limiting Fuse (continued)	240-60 S240-60-1			25 A	FA3H25
				30 A	FA3H30
				40 A	FA3H40
				50 A, 8.3 kV, Code 5, NX, Clip-Style Fuse with Indicator	FA3H50
				65 A	FA3H65
				80 A	FA3H80
				100 A	FA3H100
				1.5 A, 15.5 kV, Code 5, NX, Clip-Style Fuse with Indicator	FA4H1
				3 A	FA4H3
				4.5 A	FA4H4
				6 A, 15.5 kV, Code 5, NX, Clip-Style Fuse with Indicator	FA4H6
				8 A	FA4H8
				10 A	FA4H10
				12 A	FA4H12
				18 A	FA4H18
				20 A	FA4H20
				25 A	FA4H25
				30 A	FA4H30
				40 A	FA4H40
				50 A, 15.5 kV, Code 6, NX, Clip-Style Fuse with Indicator	FA4H50
				65 A	FA4H65
				80 A	FA4H80
				100 A	FA4H100
				6 A, 23 kV, Code 6, NX, Clip-Style Fuse with Indicator	FA5H6
				8 A	FA5H8
				10 A	FA5H10
				12 A	FA5H12
				18 A	FA5H18
				20 A	FA5H20
				25 A	FA5H25

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
NX Indoor Full-Range Current-Limiting Fuse (continued)	240-60 S240-60-1			30 A	FA5H30
				40 A	FA5H40
				6 A, 27 kV, Code 9, NX, Clip-Style Fuse with Indicator	FA9H6
				8 A	FA9H8
				10 A	FA9H10
				12 A	FA9H12
				15 A	FA9H15
				18 A	FA9H18
				20 A	FA9H20
				25 A	FA9H25
				30 A	FA9H30
				40 A	FA9H40
				50 A	FA9H50
				6 A, 38 kV, Code 10, NX, Clip-Style Fuse with Indicator	FA10H6
				8 A	FA10H8
				10 A	FA10H10
				12 A	FA10H12
				15 A	FA10H15
				18 A	FA10H18
				20 A	FA10H20
				25 A	FA10H25
				30 A	FA10H30
				40 A	FA10H40
				50 A	FA10H50
				80 A, 15.5 kV, Code 8, NX, Unitized Hinge-Style Fuse	FA11A80
				80 A, NX Refill for FA11A80	FA11A80R

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
NXC Full-Range Capacitor Fuse  	240-61 S240-61-1	Individually Fused Capacitor Protection	A full-range current-limiting fuse with both low and high current clearing sections in one housing shall be used to individually fuse capacitors. The fuse shall have an automatic leader ejection feature to provide visible indication of fuse operation, without the use of hinges, flippers, or other mechanical devices.	10 A, 8.3 kV, NXC, Capacitor Fuse	FA5J10
				18 A	FA5J18
				25 A	FA5J25
				30 A	FA5J30
				40 A	FA5J40
				45 A	FA5J45
				65 A	FA5J65
				10 A, 15.5 kV	FA6J10
				12 A	FA6J12
				18 A	FA6J18
				25 A	FA6J25
				30 A	FA6J30
				35 A	FA6J35
				12 A, 23 kV	FA7J12
				18 A	FA7J18
				25 A	FA7J25
Direct-Connected Capacitor Fuse  	240-63 S240-63-1	Used for fusing individual or group connected capacitors.	Fuse shall provide full-range protection and be current-limiting. Both low current and high current clearing sections shall be inside one housing. All gases generated during fuse operation shall be contained within the fuse's housing.	18 A, 4.3 kV (BT Design)	43F018-IVBT
				25 A	43F025-IVBT
				35 A	43F035-IVBT
				45 A	43F045-IVBT
				50 A	43F050-IVBT
				65 A	43F065-IVBT
				75 A	43F075-IVBT
				100 A	43F100-IVBT
				18 A, 4.3 kV (BTS Design)	43F018-IVBTS
				25 A	43F025-IVBTS
				35 A	43F035-IVBTS
				45 A	43F045-IVBTS
				50 A	43F050-IVBTS
				65 A	43F065-IVBTS
				75 A	43F075-IVBTS
				100 A	43F100-IVBTS
				18 A, 4.3 kV (BTB Design)	43F018-IVBTB
				25 A	43F025-IVBTB
				35 A	43F035-IVBTB
				45 A	43F045-IVBTB

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Direct-Connected Capacitor Fuse (continued)  <p>IVBTU Design</p>  <p>IVBUS Design</p>	240-63 S240-63-1			50 A	43F050-IVBTB
				65 A	43F065-IVBTB
				75 A	43F075-IVBTB
				100 A	43F100-IVBTB
				130 A, 4.3 kV (BTU Design)*	43F130-IVBTU
				150 A	43F150-IVBTU
				200 A	43F200-IVBTU
				130 A, 4.3 kV (BUS Design)*	43F130-IVBUS
				200 A	43F200-IVBUS
				18 A, 5.5 kV (BT Design)	55F018-IVBT
				20 A	55F020-IVBT
				25 A	55F025-IVBT
				30 A	55F030-IVBT
				40 A	55F040-IVBT
				50 A	55F050-IVBT
				65 A	55F065-IVBT
				75 A	55F075-IVBT
				18 A, 5.5 kV (BTS Design)	55F018-IVBTS
				20 A	55F020-IVBTS
				25 A	55F025-IVBTS
				30 A	55F030-IVBTS
				40 A	55F040-IVBTS
				50 A	55F050-IVBTS
				65 A	55F065-IVBTS
				75 A	55F075-IVBTS
				18 A, 5.5 kV (BTB Design)	55F018-IVBTB
				20 A	55F020-IVBTB
				25 A	55F025-IVBTB
				30 A	55F030-IVBTB
				40 A	55F040-IVBTB
				50 A	55F050-IVBTB
				65 A	55F065-IVBTB
				75 A	55F075-IVBTB
				100 A, 5.5 kV (BTU Design)*	55F100-IVBTU
				130 A	55F130-IVBTU
				150 A	55F150-IVBTU
				10 A, 8.3 kV (BT Design)	83F010-IVBT

\* Parallel-mounted design

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Direct-Connected Capacitor Fuse (continued)	240-63 S240-63-1			12 A	83F012-IVBT
				18 A	83F018-IVBT
				20 A	83F020-IVBT
				25 A	83F025-IVBT
				30 A	83F030-IVBT
				40 A	83F040-IVBT
				50 A	83F050-IVBT
				65 A	83F065-IVBT
				80 A	83F080-IVBT
				100 A	83F100-IVBT
				125 A	83F125-IVBT
				140 A	83F140-IVBT
				10 A, 8.3 kV (BTS Design)	83F010-IVBTS
				12 A	83F012-IVBTS
				18 A	83F018-IVBTS
				20 A	83F020-IVBTS
				25 A	83F025-IVBTS
				30 A	83F030-IVBTS
				40 A	83F040-IVBTS
				50 A	83F050-IVBTS
				65 A	83F065-IVBTS
				80 A	83F080-IVBTS
				100 A	83F100-IVBTS
				125 A	83F125-IVBTS
				140 A	83F140-IVBTS
				10 A, 8.3 kV (BTB Design)	83F010-IVBTB
				12 A	83F012-IVBTB
				18 A	83F018-IVBTB
				20 A	83F020-IVBTB
				25 A	83F025-IVBTB
				30 A	83F030-IVBTB
				40 A	83F040-IVBTB
				50 A	83F050-IVBTB
				65 A	83F065-IVBTB
				80 A	83F080-IVBTB




Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Direct-Connected Capacitor Fuse (continued)	240-63 S240-63-1			100 A	83F100-IVBTB
				125 A	83F125-IVBTB
				140 A	83F140-IVBTB
				10 A, 15.5 kV (BT Design)	155F010-IVBT
				12 A	155F012-IVBT
				18 A	155F018-IVBT
				20 A	155F020-IVBT
				25 A	155F025-IVBT
				30 A	155F030-IVBT
				40 A	155F040-IVBT
				50 A	155F050-IVBT
				65 A	155F065-IVBT
				80 A	155F080-IVBT
				100 A	155F100-IVBT
				125 A	155F125-IVBT
				10 A, 15.5 kV (BTS Design)	155F010-IVBTS
				12 A	155F012-IVBTS
				18 A	155F018-IVBTS
				20 A	155F020-IVBTS
				25 A	155F025-IVBTS
				30 A	155F030-IVBTS
				40 A	155F040-IVBTS
				50 A	155F050-IVBTS
				65 A	155F065-IVBTS
				80 A	155F080-IVBTS
				100 A	155F100-IVBTS
				125 A	155F125-IVBTS
				10 A, 15.5 kV (BTB Design)	155F010-IVBTB
				12 A	155F012-IVBTB
				18 A	155F018-IVBTB
				20 A	155F020-IVBTB
				25 A	155F025-IVBTB
				30 A	155F030-IVBTB
				40 A	155F040-IVBTB

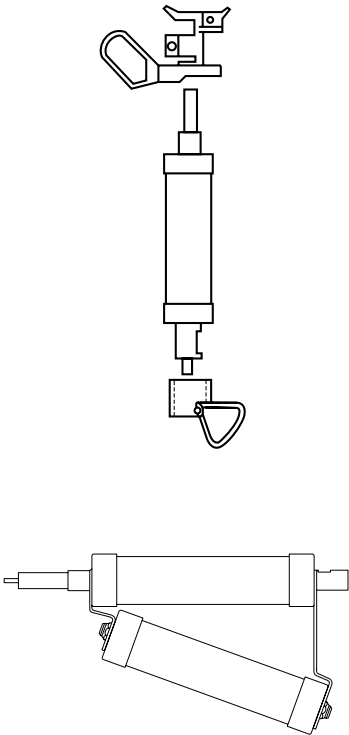
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
Direct-Connected Capacitor Fuse (continued)	240-63 S240-63-1			50 A	155F050-IVBTB
				65 A	155F065-IVBTB
				80 A	155F080-IVBTB
				100 A	155F100-IVBTB
				125 A	155F125-IVBTB
				10 A, 23 kV (BT Design)	23F010-IVBT
				12 A	23F012-IVBT
				18 A	23F018-IVBT
				20 A	23F020-IVBT
				25 A	23F025-IVBT
				30 A	23F030-IVBT
				40 A	23F040-IVBT
				50 A	23F050-IVBT
				10 A, 23 kV (BTS Design)	23F010-IVBTS
				12 A	23F012-IVBTS
				18 A	23F018-IVBTS
				20 A	23F020-IVBTS
				25 A	23F025-IVBTS
				30 A	23F030-IVBTS
				40 A	23F040-IVBTS
				50 A	23F050-IVBTS
				10 A, 23 kV (BTB Design)	23F010-IVBTB
				12 A	23F012-IVBTB
				18 A	23F018-IVBTB
				20 A	23F020-IVBTB
				25 A	23F025-IVBTB
				30 A	23F030-IVBTB
				40 A	23F040-IVBTB
				50 A	23F050-IVBTB

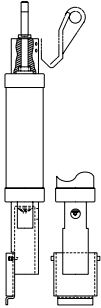
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
EL Bay-O-Net Current-Limiting Fuse Assembly	240-70 S240-70-1	Used to mount the ELS fuse for pad-mounted transformer protection.	A Bay-O-Net assembly shall be used to mount a full range current-limiting, under-oil mounted fuse. Bay-O-Net assembly shall include field replaceability of current-limiting fuse.	Assembly with 1/4 inch Gasket	4004697B01M
				Assembly with 3/16 inch Gasket	4004697B02M
				Solid Link Disconnect	4025117B51
				<b>15.5 and 23.0 kV</b>	
				Assembly with 1/4 inch Gasket	4004697B03M
				Assembly with 3/16 inch Gasket	4004697B04M
				Solid Link Disconnect	4025117B52
15 and 25 kV Class Fused Loadbreak Elbow Current-Limiting Fuse	240-97 S240-97-1	For protecting underground distribution systems as part of a fused elbow.	Fuse shall provide full-range current-carrying capability, and limit current and energy let-through to the system when operating due to a primary fault. Must be installed in a Cooper fused elbow assembly.	<b>8.3 kV Fuse Rating/15.5 kV System Class</b>	
				6 A	FEF083A006
				8 A	FEF083A008
				10 A	FEF083A010
				12 A	FEF083A012
				18 A	FEF083A018
				20 A	FEF083A020
				25 A	FEF083A025
				30 A	FEF083A030
				40 A	FEF083A040
				<b>15.5 kV Fuse Rating/25 kV System Class</b>	
				6 A	FEF155A006
				8 A	FEF155A008
				10 A	FEF155A010
				12 A	FEF155A012
				18 A	FEF155A018
				20 A	FEF155A020

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
ELS Full-Range Current-Limiting Fuse	240-72 S240-72-1	Full-range under-oil fuse for protecting pad-mounted transformers.	All full-range current-limiting fuse shall be used in the EL Bay-O-Net assembly.	<b>8.3 kV (10.8 inch length)</b>	
				2 A	3533002M11M
				3 A	3533003M11M
				4 A	3533004M11M
				8 A	3533008M11M
				12 A	3533012M11M
				15 A	3533015M11M
				20 A	3533020M11M
				25 A	3533025M11M
				30 A	3533030M11M
				40 A	3533040M11M
				50 A	3533050M11M
				65 A	3534065M11M
				<b>15.5 kV (18.8 inch length)</b>	
				2 A	3534002M11M
				3 A	3534003M11M
				4 A	3534004M11M
				8 A	3534008M11M
				12 A	3534012M11M
				15 A	3534015M11M
				20 A	3534020M11M
				25 A	3534025M11M
				30 A	3534030M11M
				40 A	3534040M11M
				50 A	3534050M11M
				65 A	3534065M11M
				<b>23 kV (18.8 inch length)</b>	
				8 A	3535008M11M
				12 A	3535012M11M
				15 A	3535015M11M
				20 A	3535020M11M
				25 A	3535025M11M
				30 A	3535030M11M
				40 A	3535040M11M

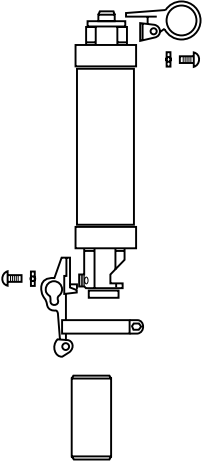
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<b>POWER FUSES</b>					
ELSG Full-Range Current-Limiting Fuse  	240-82 S240-82-1	Full-range under-oil fuse, used for protecting pad-mounted switchgear and large pad-mounted transformers.	A full-range under-oil fuse shall be used with both the low current and high current clearing sections in one housing and does not permit expulsion by-products to be emitted from the fuse housing when it operates. Fuse shall mount into wetwell holder.	<b>8.3 kV E-Rated Fuse for 15 kV Wetwell Holder</b>	
				4 E, 9 A Continuous Rating	3593004M02M
				8 E, 14 A Continuous Rating	3593008M02M
				12 E, 18 A Continuous Rating	3593012M02M
				15 E, 24 A Continuous Rating	3593015M02M
				20 E, 34 A Continuous Rating	3593020M02M
				25 E, 35 A Continuous Rating	3593025M02M
				30 E, 46 A Continuous Rating	3593030M02M
				40 E, 53 A Continuous Rating	3593040M02M
				50 E, 65 A Continuous Rating	3593050M02M
				60 E, 76 A Continuous Rating	3593060M02M
				65 E, 95 A Continuous Rating	3593065M01M
				80 E, 125 A Continuous Rating	3593080M01M
				100 E, 155 A Continuous Rating	3593100M01M
				125 E, 180 A Continuous Rating	3593125M01M
				<b>8.3 kV Rated Fuse, MSLE Version</b>	
				50 A, Continuous, Equivalent to A.B. Chance's SL-54 Fuse Rating	3593050MSLE
				90 A, Continuous, Equivalent to A.B. Chance's SL-90 Fuse Rating	3593090MSLE
				<b>15.5 kV E-Rated Fuse for 15 kV Wetwell Holder</b>	
				4 E, 9 A Continuous Rating	3594004M83M
				8 E, 14 A Continuous Rating	3594008M83M
				12 E, 18 A Continuous Rating	3594012M83M
				15 E, 24 A Continuous Rating	3594015M83M
				20 E, 34 A Continuous Rating	3594020M83M
				25 E, 35 A Continuous Rating	3594025M83M
				30 E, 46 A Continuous Rating	3594030M83M
				40 E, 53 A Continuous Rating	3594040M83M
				50 E, 65 A Continuous Rating	3594050M83M
				60 E, 76 A Continuous Rating	3594060M83M
				65 E, 92 A Continuous Rating	3594065M83M
				80 E, 106 A Continuous Rating	3594080M83M
				100 E, 130 A Continuous Rating	3594100M83M
				120 E, 150 A Continuous Rating	3594120M83M
				150 E, 200 A Continuous Rating	3594150M83M

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
ELSG Full-Range Current-Limiting Fuse (continued)	240-82 S240-82-1			<b>15.5 kV E-Rated Fuse For 25 &amp; 35 kV Wetwell Holder</b>	
				4 E, 9 A Continuous Rating	3594004M02M
				8 E, 14 A Continuous Rating	3594008M02M
				12 E, 18 A Continuous Rating	3594012M02M
				15 E, 24 A Continuous Rating	3594015M02M
				20 E, 34 A Continuous Rating	3594020M02M
				25 E, 35 A Continuous Rating	3594025M02M
				30 E, 46 A Continuous Rating	3594030M02M
				40 E, 53 A Continuous Rating	3594040M02M
				50 E, 65 A Continuous Rating	3594050M02M
				60 E, 76 A Continuous Rating	3594060M02M
				65 E, 95 A Continuous Rating	3594065M01M
				80 E, 125 A Continuous Rating	3594080M01M
				100 E, 140 A Continuous Rating	3594100M01M
				120 E, 150 A continuous Rating	3594120M02M
				150 E, 200 A Continuous Rating	3594150M02M
				<b>15.5 kV Rated Fuse, MSLE Version</b>	
				50 A, Continuous, Equivalent to A.B. Chance's SL-54 Fuse Rating	3594050MSLE
				90 A, Continuous, Equivalent to A.B. Chance's SL-90 Fuse Rating	3594090MSLE
				<b>23 kV E-Rated Fuse For 25 &amp; 35 kV Wetwell Holder</b>	
				4 E, 9 A Continuous Rating	3595004M02M
				8 E, 14 A Continuous Rating	3595008M02M
				12 E, 18 A Continuous Rating	3595012M02M
				15 E, 24 A Continuous Rating	3595015M02M
				20 E, 34 A Continuous Rating	3595020M02M
				25 E, 35 A Continuous Rating	3595025M02M
				30 E, 46 A Continuous Rating	3595030M02M
				40 E, 53 A Continuous Rating	3595040M02M
				65 E, 120 A Continuous Rating	3595065M02M
				80 E, 145 A Continuous Rating	3595080M02M
				100 E, 180 A Continuous Rating	3595100M02M
				<b>23 kV Rated Fuse, MSLE Version</b>	
				50 A Continuous, Equivalent to A.B. Chance's SL-54 Fuse Rating	3595050MSLE
				90 A Continuous, Equivalent to A.B. Chance's SL-90 Fuse Rating	3595090MSLE
				135 A Continuous Rating	3595135MSLE

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
<p>X-Limiter Hinge-Mount Current-Limiting Fuse</p> 	<p>240-84 S240-84-1 S240-84-2 S240-84-3</p>	<p>Provides current-limiting protection when mounting in S &amp; C indoor and outdoor SM, SMD, and SME mountings.</p>	<p>Fuse shall provide full-range clearing capability. Fuse shall limit energy and current let-through to system when operating for high current faults. Fuse shall support system voltage during current clearing of high current faults. All gases generated during fuse operations shall be contained within the fuse housing.</p>	10 A, 8.3 kV X-Limiter Hinge-Mounted Fuse to Fit S & C 14.4 kV (17.0 kV) Type SMD-20 Outdoor Mount (S & C End Fittings Part No. 3095)	83F010HD1A
				12 A	83F012HD1A
				18 A	83F018HD1A
				20 A	83F020HD1A
				25 A	83F025HD1A
				30 A	83F030HD1A
				40 A	83F040HD1A
				50 A	83F050HD1A
				65 A	83F065HD1A
				80 A	83F080HD1A
				100 A	83F100HD1A
				125 A	83F125HD1A
				140 A	83F140HD1A
				10 A, 15.5 kV X-Limiter Hinge-Mounted Fuse to Fit S & C 14.4 kV (17.0 kV) Type SMD-20 Outdoor Mount (S & C End Fittings Part No. 3095)	15F010HD1A
				12 A	15F012HD1A
				18 A	15F018HD1A
				20 A	15F020HD1A
				25 A	15F025HD1A
				30 A	15F030HD1A
				40 A	15F040HD1A
				50 A	15F050HD1A
				65 A, 17 kV X-Limiter Hinge-Mounted Fuse to Fit S & C 14.4 kV (17.0 kV) Type SMD-20 Outdoor Mount (S & C End Fittings Part No. 3095)	15F065HD1A
				80 A	15F080HD1A
				100 A	15F100HD1A
				10 A, 15.5 kV X-Limiter Hinge-Mounted Fuse to Fit S & C kV (27.0 kV) Type SMD-20 Outdoor Mount (S & C End Fittings Part No. 3095)	15F010HD2A
				12 A	15F012HD2A
				18 A	15F018HD2A
				20 A	15F020HD2A
				25 A	15F025HD2A

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
X-Limiter Hinge-Mounted Current-Limiting Fuse (continued)  	240-84 S240-84-1 S240-84-2 S240-84-3			30 A	15F030HD2A
				40 A	15F040HD2A
				50 A	15F050HD2A
				65 A	15F065HD2A
				80 A	15F080HD2A
				100 A	15F100HD2A
				125 A	15F125HD2A
				10 A, 23 kV X-Limiter Hinge-Mounted Fuse to Fit S & C 25 kV (27 kV) Type SMD-20 Outdoor Mount (S & C End Fittings Part No. 3095)	23F010HD2A
				12 A	23F012HD2A
				18 A	23F018HD2A
				20 A	23F020HD2A
				25 A	23F025HD2A
				30 A	23F030HD2A
				40 A	23F040HD2A
				50 A	23F050HD2A
				10 A, 23 kV X-Limiter Hinge-Mounted Fuse to Fit S & C 34.5 kV (38.0kV) Type SMD-20 Outdoor Mount (S & C End Fittings Part No. 3095)	23F010HD3A
				12 A	23F012HD3A
				18 A	23F018HD3A
				20 A	23F020HD3A
				25 A	23F025HD3A
				30 A	23F030HD3A
				40 A	23F040HD3A
				50 A	23F050HD3A
				20 A, 8.3 kV X-Limiter Fuse with Upper Contact and Lower Hinge Assembly to Fit S & C 14.4 kV (17.0 kV) Type SML-4Z Indoor Mount	83F020HZ1IEF
				25 A	83F025HZ1IEF
				30 A	83F030HZ1IEF
				80 A	83F080HZ1IEF
				50 A, 15 kV X-Limiter Fuse With Upper Contact and Lower Hinge Assembly to Fit S & C 25 kV (27 kV) Type SML-4Z Indoor Mount	15F050HZ2IEF



Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
X-Limiter Hinge-Mounted Current-Limiting Fuse (continued) 	240-84 S240-84-1 S240-84-2 S240-84-3			65 A	15F065HZ2IEF
				80 A	15F080HZ2IEF
				100 A	15F100HZ2IEF
				125 A	15F125HZ2IEF
				20 A, 8.3 kV X-Limiter Replacement Fuse for S & C 14.4 kV (17.0 kV) Type SML-4Z Indoor Mount	83F020HZ1I
				25 A	83F025HZ1I
				30 A	83F030HZ1I
				80 A	83F080HZ1I
				50 A, 15.5 kV X-Limiter Replacement Fuse for S & C 25 kV (27.0 kV) Type SML-4Z Indoor Mount	15F050HZ2I
				65 A	15F065HZ2I
				80 A	15F080HZ2I
				100 A	15F100HZ2I
				125 A	15F125HZ2I
				10 A, 8.3 kV X-Limiter Fuse to Fit S & C 25 kV (17.0 kV) Type SM-20 Indoor Mounting (Typical S & C Mounting Cat. No. 90412) (S & C End Fittings Part No. 5040)	83F010HC1A
				12 A	83F012HC1A
				18 A	83F018HC1A
				20 A	83F020HC1A
				25 A	83F025HC1A
				30 A	83F030HC1A
				40 A	83F040HC1A
				50 A	83F050HC1A
				65 A	83F065HC1A
				80 A	83F080HC1A
				10 A, 15.5 kV X-Limiter Fuse to Fit S & C 25 kV (27.0 kV) Type SM-20 Indoor Mounting (Typical S & C Mounting Cat. No. 90412) (S & C End Fittings Part No. 5040)	15F010HC2A
				12 A	15F012HC1A
				18 A	15F018HC1A
				20 A	15F020HC1A
				25 A	15F025HC1A

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
X-Limiter Hinge-Mounted Current-Limiting Fuse (continued)	240-84 S240-84-1 S240-84-2 S240-84-3			30 A	15F030HC1A
				40 A	15F040HC1A
				50 A	15F050HC1A
				65 A	15F065HC1A
				80 A	15F080HC1A
				20 A, 15 kV X-Limiter Fuse to Fit S & C 14.4 kV (17.0 kV) Type SM-4 Indoor Mount (S & C End Fittings No. 87119)	15F020VHA1A
				25 A	15F025VHA1A
				30 A	15F030VHA1A
				40 A	15F040VHA1A
				50 A	15F050VHA1A
				65 A	15F065VHA1A
				80 A	15F080VHA1A
				20 A, 15.5 kV X-Limiter Fuse to Fit S & C 25 kV (27.0 kV) Type SM-4 Indoor Mount (S & C End Fittings No. 87119)	15F020VHA2A
				25 A	15F025VHA2A
				30 A	15F030VHA2A
				40 A	15F040VHA2A
				50 A	15F050VHA2A
				65 A	15F065VHA2A
				80 A	15F080VHA2A
Edison Modular Fuse (EMF)	240-92 S240-92-1	Insulated in-line fuse for use in deadfront, overhead or underground, submersible cable distribution system. Ideal for vault applications.	Fuse shall be fully shielded and insulated. Fuse consists of Cooper Power Systems Fuse encapsulated in EDPM rubber. Mounting brackets shall be made with stainless steel.	Consult Factory for Product Information	

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
CMU Power Fuse	240-94 S240-94-1	The CMU fuse is suitable for both indoor and outdoor applications. Applications include protection of power transformers, feeder circuits, distribution transformers, potential transformers, station service transformers, metal-enclosed switchgear, pad-mounted switches, and overhead capacitor racks.	Fuse shall consist of a calibrated silver element, boric acid, rod mechanism for arc extension. Must have an upper and lower end fittings for cutout installations.	<b>CMU-20, 17 kV, K</b>	
				3 A, K	CMU702003
				6 A, K	CMU702006
				8 A, K	CMU702008
				10 A, K	CMU702010
				12 A, K	CMU702012
				15 A, K	CMU702015
				20 A, K	CMU702020
				25 A, K	CMU702025
				30 A, K	CMU702030
				40 A, K	CMU702040
				50 A, K	CMU702050
				65 A, K	CMU702065
				80 A, K	CMU702080
				100 A, K	CMU702100
				140 A, K	CMU702140
				200 A, K	CMU702200
				<b>CMU-20, 17 kV, E (Std.)</b>	
				5 A, E	CMU612005
				7 A, E	CMU612007
				10 A, E	CMU612010
				13 A, E	CMU612013
				15 A, E	CMU612015
				20 A, E	CMU612020
				25 A, E	CMU612025
				30 A, E	CMU612030
				40 A, E	CMU612040
				50 A, E	CMU612050
				65 A, E	CMU612065
				80 A, E	CMU612080
				100 A, E	CMU612100
				125 A, E	CMU612125
				150 A, E	CMU612150
				175 A, E	CMU612175
				200 A, E	CMU612200

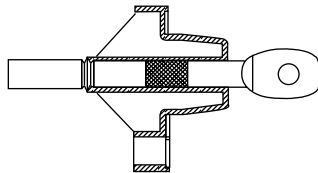
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
CMU Power Fuse (continued)	240-94 S240-94-1			<b>CMU-20, 17 kV, SE (Slow)</b>	
				15 A, SE	CMU712015
				20 A, SE	CMU712020
				25 A, SE	CMU712025
				30 A, SE	CMU712030
				40 A, SE	CMU712040
				50 A, SE	CMU712050
				65 A, SE	CMU712065
				80 A, SE	CMU712080
				100 A, SE	CMU712100
				125 A, SE	CMU712125
				150 A, SE	CMU712150
				175 A, SE	CMU712175
				200 A, SE	CMU712200
				<b>CMU-20, 27 kV, K</b>	
				3 A, K	CMU703003
				6 A, K	CMU703006
				8 A, K	CMU703008
				10 A, K	CMU703010
				12 A, K	CMU703012
				15 A, K	CMU703015
				20 A, K	CMU703020
				25 A, K	CMU703025
				30 A, K	CMU703030
				40 A, K	CMU703040
				50 A, K	CMU703050
				65 A, K	CMU703065
				80 A, K	CMU703080
				100 A, K	CMU703100
				140 A, K	CMU703140
				200 A, K	CMU703200
				<b>CMU-20, 27 kV, E (Std.)</b>	
				5 A, E	CMU613005
				7 A, E	CMU613007
				10 A, E	CMU613010

Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
CMU Power Fuse (continued)	240-94 S240-94-1			13 A, E	CMU613013
				15 A, E	CMU613015
				20 A, E	CMU613020
				25 A, E	CMU613025
				30 A, E	CMU613030
				40 A, E	CMU613040
				50 A, E	CMU613050
				65 A, E	CMU613065
				80 A, E	CMU613080
				100 A, E	CMU613100
				125 A, E	CMU613125
				150 A, E	CMU613150
				175 A, E	CMU613175
				200 A, E	CMU613200
				<b>CMU-20, 27 kV, SE (Slow)</b>	
				15 A, SE	CMU713015
				20 A, SE	CMU713020
				25 A, SE	CMU713025
				30 A, SE	CMU713030
				40 A, SE	CMU713040
				50 A, SE	CMU713050
				65 A, SE	CMU713065
				80 A, SE	CMU713080
				100 A, SE	CMU713100
				125 A, SE	CMU713125
				150 A, SE	CMU713150
				175 A, SE	CMU713175
				200 A, SE	CMU713200
				<b>CMU-20, 38 kV, K</b>	
				3 A, K	CMU704003
				6 A, K	CMU704006
				8 A, K	CMU704008
				10 A, K	CMU704010
				12 A, K	CMU704012
				15 A, K	CMU704015

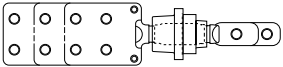
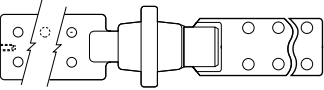
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
CMU Power Fuse (continued)	240-94 S240-94-1			20 A, K	CMU704020
				25 A, K	CMU704025
				30 A, K	CMU704030
				40 A, K	CMU704040
				50 A, K	CMU704050
				65 A, K	CMU704065
				80 A, K	CMU704080
				100 A, K	CMU704100
				140 A, K	CMU704140
				200 A, K	CMU704200
				<b>CMU-20, 38 kV, E (Std.)</b>	
				5 A, E	CMU614005
				7 A, E	CMU614007
				10 A, E	CMU614010
				13 A, E	CMU614013
				15 A, E	CMU614015
				20 A, E	CMU614020
				25 A, E	CMU614025
				30 A, E	CMU614030
				40 A, E	CMU614040
				50 A, E	CMU614050
				65 A, E	CMU614065
				80 A, E	CMU614080
				100 A, E	CMU614100
				125 A, E	CMU614125
				150 A, E	CMU614150
				175 A, E	CMU614175
				200 A, E	CMU614200
				<b>CMU-20, 38 kV, SE (Slow)</b>	
				15 A, SE	CMU714015
				20 A, SE	CMU714020
				25 A, SE	CMU714025
				30 A, SE	CMU714030
				40 A, SE	CMU714040
				50 A, SE	CMU714050

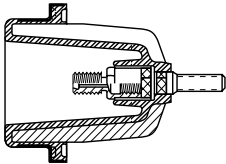
Product	Catalog Section	Typical Application	Recommended Spec Wording	Ratings	Catalog Numbers
CMU Power Fuse (continued)	240-94 S240-94-1			65 A, SE	CMU714065
				80 A, SE	CMU714080
				100 A, SE	CMU714100
				125 A, SE	CMU714125
				150 A, SE	CMU714150
				175 A, SE	CMU714175
				200 A, SE	CMU714200
				End Fittings Indoor	CMU3097
				End Fittings Outdoor	CMU3095
				Muffler	CMUFDA1103

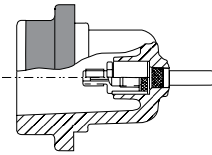
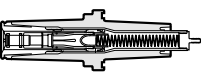
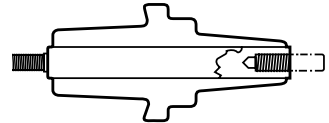
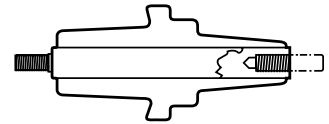
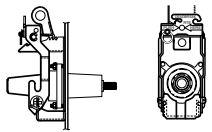
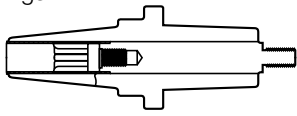
# Transformer Components

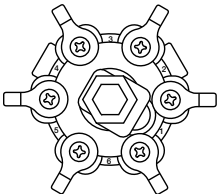
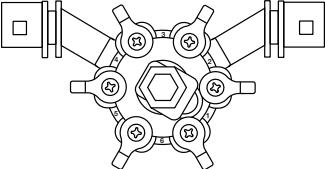
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
<b>Low Voltage (Secondary) Bushings</b>					
Molded (HTN) Tri-Clamp 5/8" & 1" 	800-14 S800-16-1	Externally mounted and removable secondary bushings used for connecting low voltage cables outside of the pad-mounted transformer tank to the winding leads inside the tank. Designed for under-oil usage.	The secondary bushing shall be externally removable, one-piece copper conductor with HTN (high temperature nylon) insulated body.	600 A - 1400 A 1.2 kV Class	
				5/8 inch-11 w/1.75 inch External Threaded Stud and 1.4 inch Internal Threaded Stud, Copper-600 A	2690286D01
				5/8 inch-11 w/1.75 inch External Threaded Stud and Internal Spade w/0.44 inch Dia. Hole, Copper-600 A	2690286D06
				1 inch-14 w/1.75 inch External Threaded Stud and Internal Spade w/0.44 inch Dia. Hole, Copper-1400 A	2690286D07
				1 inch-14 w/2.25 inch External Threaded Stud and Internal Spade w/0.44 inch Dia. Hole, Copper-1400 A	2690286D08
				1 inch-14 w/1.75 inch External and Internal Threaded Stud Copper-1400 A	2690286D09
				1 inch-14 w/1.75 inch External Threaded Stud and Internal Spade w/0.53 inch Dia. Hole, Copper-1400 A	2690286D10
				1 inch-14 w/3.00 inch External Threaded Stud and Internal Threaded Stud, Copper-1400 A	2690286D22
				5/8 inch-11 w/2.13 inch External Threaded Stud and Internal Spade w/0.44 inch Dia. Hole, Copper-600 A	2690286D23
				1 inch-14 w/3.05 inch External Threaded Stud and Internal Spade w/0.44 inch Dia. Hole, Copper-1400 A	2690286D24
				Gasket	0537980C20

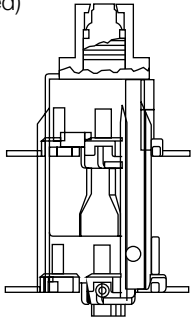
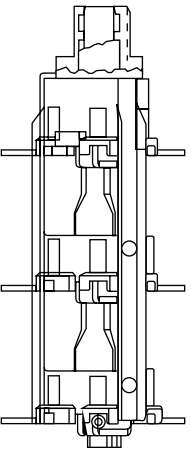


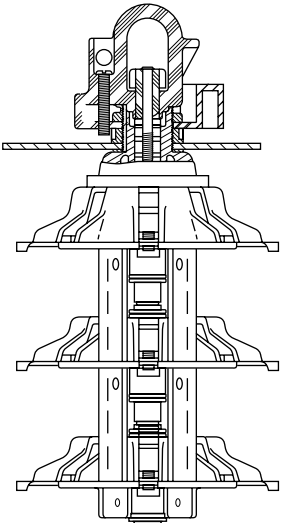
Product	Catalog Section	Typical Application	Recommended Spec Wording	Rating/Description		Catalog Numbers
910 A-2410 A, 1.2 kV Externally Removable Secondary Bushing  	800-16 S800-16-1	Externally mounted & removable secondary bushings used for connecting low voltage cables outside of the pad-mounted transformer tank to the winding leads inside the tank. Designed for under-oil usage.	The secondary bushing shall be externally removable, one-piece conductor, tin plated. 2 Hole Internal 4, 6, 8, 10 or 12 Hole External	<b>Aluminum Secondary Bushings (910 A - 1210 A)</b>		
				# Holes External 6	# Holes Internal 2	2690225D04
				8	2	2690225D06
				12	2	2690225D16
				<b>Copper Secondary Bushings (1390 A - 2410 A)</b>		
				6	2	2690225D10
				8	2	2690225D12
				12	2	2690225D24
				4-Hole Square Clamp (3.25 inch C—C Hole Spacing)		2005835A04
				3-Hole Triangular Clamp (3.38 inch Bol-T Circle)		2037488A03
				Gasket		0537980C09
2410 A - 4515 A 1.2 kV Externally Removable Bushing  	800-21 S800-16-1	Externally mounted and removable secondary bushings used for connecting low voltage cables outside of the pad-mounted transformer tank to the winding leads inside the tank. Designed for under-oil usage.	Externally removable aluminum secondary bushing with 4 hole internal spade & 4, 6 or 8 hole external spade. One piece tin plated conductor.	<b>2410-3010 A (Aluminum)</b>		
				# Holes External 6	# Holes Internal 4	2690131D01
				12	4	2690131D04
				12	4	2690131D06
				20	4	2690131D07
				<b>2410-3010 A (Aluminum) with 90° internal spade</b>		
				6	4	2690476D01
				8	4	2690476D02
				10	4	2690476D03
				12	4	2690476D04
				<b>3610-4515 A (Copper)</b>		
				4	4	2690130D19
				6	4	2690130D01
				12	4	2690130D10
				16	4	2690130D13
				20	4	2690130D16

Product	Catalog Section	Typical Application	Recommended Spec Wording	Rating/Description	Catalog Numbers
<b>HIGH VOLTAGE (PRIMARY) BUSHINGS</b>					
Plastic (HTN) Molded TRI-Clamp Bushing Well W/Fixed or Removable Stud	800-32 S800-35-2	Externally mounted & removable well for termination of primary coil winding leads at the frontplate of pad-mounted transformers. A bushing or feedthru insert must be installed for connection of high-voltage (primary) cable to the transformer.	The 200 A Bushing well shall have either a fixed or a removable stud, be externally removable, molded with High Temperature Nylon (HTN) 35 kV, 150 kV BIL Rated with integral clamp, and have a molded-in semi-conductive shield. The removable stud shall have provisions for easy removal of broken parts from both the well & insert.	200 A, 35 kV	BW150F (Fixed Stud) BW150R (Removable Stud)
Plastic (HTN) Molded Bushing Well with Fixed or Removable Stud 	800-33 S800-35-2	Externally mounted & removable well for termination of primary coil winding leads at the frontplate of pad-mounted transformers. A bushing or feedthru insert must be installed for connection of high-voltage (primary) cable to the transformer.	The 200 A Bushing well shall have either a fixed or a removable stud, be externally removable, molded with High Temperature Nylon (HTN) 28 kV rated and have a molded-in semi-conductive shield. The removable stud shall have provisions for easy removal of broken parts from both the well & insert.	200 A, 15, 25, & 28 kV	2638372C01 (Fixed Stud) 2638372C02R (Removable Stud)
Plastic (HTN) Molded Bushing Well with Fixed or Removable Stud	800-33 S800-35-2		The 200 A Bushing well shall have either a fixed or removable stud, be externally removable, molded with High Temperature Nylon (HTN) 35 kV, 150 BIL Rated, and have a molded-in semi-conductive shield. The removable stud shall have provisions for easy removal of broken parts from both the well & insert.	200 A, 35 kV	2638372C01S (Fixed Stud) 2638372C02RS (Removable Stud)

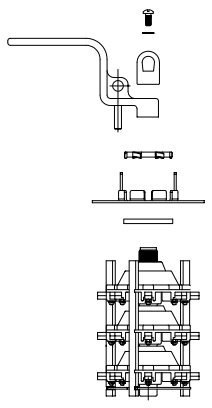
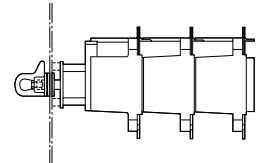
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Bushing Well with Fixed or Removable Stud 	800-34 S800-35-2	Externally mounted & removable one-piece primary side loadbreak bushing. Used for connecting high voltage cables outside of the transformer tank to the winding leads inside the tank. Designed for under-oil usage.	The 200A bushing well shall have either a fixed or a removable stud, be externally removable and mateable with all bushing inserts meeting applicable IEEE standards. The removable stud shall have provisions for easy field replacement of the bushing stud.	200 A, 15, 25 & 28 kV	2603973B02T (Fixed Stud) 2603973B02R (Removable Stud)
Three-Phase Integral Loadbreak Bushing 	800-39 S800-35-2	Externally mounted & removable one-piece primary side loadbreak bushing. Used for connecting high voltage cables outside of the transformer tank to the winding leads inside the tank. Designed for under-oil usage.	35 kV, 200 A, Primary Bushing shall be externally removable copper large IEEE Type interface, three-phase rated, integral design.	200 A, 35 kV	2637024C01M
Integral Deadbreak Bushings 	800-45 S800-35-2	Externally mounted & removable one-piece primary side deadbreak bushing. Used for connecting high voltage cables outside of the pad-mounted tank to the winding leads inside the tank. Designed for under-oil usage.	The 600 A Deadbreak Bushing shall be externally removable, copper or aluminum, integral design, with molded-in semi-conductive shield.	600 A, 15 & 25 kV Aluminum Conductor Copper Conductor	2637019B02 2637019B04
Deadbreak Apparatus Bushing 	800-47 S800-35-2	Externally mounted & removable one-piece primary side deadbreak bushing. Used for connecting high-voltage cables outside of the pad-mounted tank to the winding leads inside the tank. Designed for under-oil usage.	The 600 A Deadbreak Bushing shall be externally removable, copper or aluminum, integral design, with molded-in semi-conductive shield.	600 A, 35 kV Aluminum Conductor (635) Copper Conductor (935) 150 kV BIL (B150) 200 kV BIL (B200)	DB635B150 DB935B150 DB635B200 DB935B200
Integral PUSH-OP Deadbreak Bushings 	800-46 S800-46-1	Externally mounted & removable one-piece primary side deadbreak bushing. Used for connecting high-voltage cables outside of the pad-mounted tank to the winding leads inside the tank. Designed for under-oil usage.	The 600 A Deadbreak Bushing shall be externally removable, copper, integral design, compatible with Cooper 600 A PUSH-OP connectors.	600 A, 15 & 25 kV	2637604C01
Deadbreak PUSH-OP Apparatus Bushings 	800-48 S800-46-1	Externally mounted & removable one-piece primary side deadbreak bushing. Used for connecting high voltage cables outside of the pad-mounted tank to the winding leads inside the tank. Designed for under-oil usage.	The 600 A Deadbreak Bushing shall be externally removable, copper, integral design, compatible with Cooper 600 A PUSH-OP connectors.	600A, 35kV	2637939C01

Product	Catalog Section	Typical Application	Recommended Spec Wording	Rating/Description	Catalog Numbers
<b>ARRESTER DISCONNECTOR</b>					
Under-oil Arrester Disconnecter	800-51 S800-51-1	Provides the transformer manufacturer or utility with a means of disconnecting and reconnecting the under-oil arrester ground for transformer testing. Designed for under-oil usage.	The under-oil arrester disconnecter shall be installed in an industry std. 1.325" dia., keyed (0.14 radius) hole from the inside of the tank. It shall be internally or externally secured & positively grounded w/metal UL approved electrical grounding conduit lock nut.	35 kV	AD150PA100 (w/std. locking provision), Internally Secured  AD150NA100 (no locking provision), Internally Secured  AD150PA200 (w/std. locking provision), Externally Secured  AD150NA200 (no locking provision), Externally Secured
<b>SWITCHES</b>					
Externally Operated One-, Two- and Three-Phase Tap-Changer Switch 100 A, 150 kV BIL    	800-57 S800-57-1	Externally operated switch used to regulate induced voltage of transformer, allowing changes in primary voltage to maintain constant secondary voltage of pole or pad-mounted transformers.	The Tap-Changer Switch shall be externally operated, snap action switch with a choice of the following operating systems: · Cap wrench · Lever Handle · Hotstick handle (flexible or rigid) Padlocking provisions are available for lever or hotstick operable handles.	<b>Single-Phase, 5 Positions</b>	
				Bolt Tab - Bent 90° (Accepts 1/4" Hardware)	2237500C01
				16-14 AWG Terminals	2237500C02
				12-10 AWG Terminals	2237500C03
				8 AWG Terminals	2237500C04
				6 AWG Terminals (Straight)	2237500C134
				6 AWG Terminals (45°)	2237500C135
				16-14 AWG Terminals (Long Shank)	2237500C12
				12-10 AWG Terminals (Long Shank)	2237500C13
				8 AWG Terminals (Long Shank)	2237500C14
				Bolt Tab - Bent 90° with 1/4 - 20 Threaded Stud	2237500C94
				<b>Single-Phase with Terminal Posts, 5 Positions</b>	
				Bolt Tab - Bent 90° (Accepts 1/4" Hardware)	2237500C06
				16-14 AWG Terminals	2237500C07
				12-10 AWG Terminals	2237500C08
				8 AWG Terminals	2237500C09
				6 AWG Terminals (Straight)	2237500C136
				6 AWG Terminals (45°)	2237500C137
				16-14 AWG Terminals (Long Shank)	2237500C17
				12-10 AWG Terminals (Long Shank)	2237500C18
				8 AWG Terminals (Long Shank)	2237500C19

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated One-, Two- and Three-Phase Tap-Changer Switch (continued)	800-57 S800-57-1			<b>Two-Phase 5 Position</b>	
				Bolt Tab - Bent 90° (Accepts 1/4" Hardware)	2237500C20
				Bolt Tab Straight	2237500C21
				16-14 AWG Terminals (Long Shank)	2237500C22
				12-10 AWG Terminals (Long Shank)	2237500C23
				8 AWG Terminals (Long Shank)	2237500C24
				Bolt Tab - Bent 45° (Accepts 1/4" Hardware)	2237500C25
				Bolt Tab - Bent 45° with 1/4 - 20 Threaded Stud	2237500C26
				6 AWG Terminals (Straight)	2237500C138
				6 AWG Terminals (45°)	2237500C139
				<b>Three-Phase 5 Position</b>	
				Bolt Tab - Bent 90° (Accepts 1/4" Hardware)	2237500C30
				Bolt Tab Straight	2237500C31
				16-14 AWG Terminals (Long Shank)	2237500C32
				12-10 AWG Terminals (Long Shank)	2237500C33
				8 AWG Terminals (Long Shank)	2237500C34
				Bolt Tab - Bent 45° with 1/4 - 20 Threaded Stud	2237500C35
				Bolt Tab - Bent 45° with 1/4 - 20 Threaded Stud	2237500C36
				Bolt Tab Bent 90° with 1/4 - 20 Threaded Stud	2237500C39
				Bolt Tab Bent 45° with 1/4 - 20 Threaded Stud (Decks 1 & 2), Bolt Tab Bent 90° with 1/4 - 20 Threaded Stud (Deck 3)	2237500C141
				6 AWG Terminals (Straight)	2237500C144
				6 AWG Terminals (45°)	2237500C145

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Tap-Changer Switch. 150 A, 150 kV BIL  	800-58 S800-58-1	Externally operated switch used to regulate induced voltage of transformer, allowing changes in primary voltage to maintain constant secondary voltage of pole- or pad-mounted transformers.	The Tap-Changer Switch shall be externally operated, snap action switch with a choice of the following operating systems: · Lever Handle · Hotstick handle Padlocking provisions are available for lever or hotstick operable handles.	<b>Single-Phase Sidewall Mounted</b>	
				5 Position, Bolt Tab	2237470C01M
				5 Position, 16-14 AWG Terminals	2237470C02M
				5 Position, 12-10 AWG Terminals	2237470C03M
				5 Position, 8 AWG Terminals	2237470C04M
				5 Position, 6 AWG Terminals	2237470C05M
				5 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237470C16M
				5 Position, Bolt Tab with 1/4 - 20 Threaded Stud, Silver Pltd.	2237470C70M
				7 Position, Bolt Tab	2237470C51M
				7 Position, 16-14 AWG Terminals	2237470C52M
				7 Position, 12-10 AWG Terminals	2237470C53M
				7 Position, 8 AWG Terminals	2237470C54M
				7 Position, 6 AWG Terminals	2237470C55M
				7 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237470C66M
				7 Position, Bolt Tab with 1/4 - 20 Threaded Stud, Silver Pltd.	2237470C80M
				<b>Three-Phase Sidewall Mounted</b>	
				5 Position, Bolt Tab	2237471C01M
				5 Position, 16-14 AWG Terminals	2237471C02M
				5 Position, 12-10 AWG Terminals	2237471C03M
				5 Position, 8 AWG Terminals	2237471C04M
				5 Position, 6 AWG Terminals	2237471C05M
				5 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237471C16M
				5 Position, Bolt Tab with 1/4 1/4 - 20 Threaded Stud, Silver Pltd.	2237471C70M
				7 Position, Bolt Tab	2237471C51M
				7 Position, 16-14 AWG Terminals	2237471C52M
				7 Position, 12-10 AWG Terminals	2237471C53M
				7 Position, 8 AWG Terminals	2237471C54M
				7 Position, 6 AWG Terminals	2237471C55M
				7 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237471C66M
				7 Position, Bolt Tab with 1/4 - 20 Threaded Stud, Silver Pltd.	2237471C80M
				6 Deck Switch, 5 Position, Bolt Tab	2237529C01M
				6 Deck Switch, 7 Position, Bolt Tab	2237529C51M

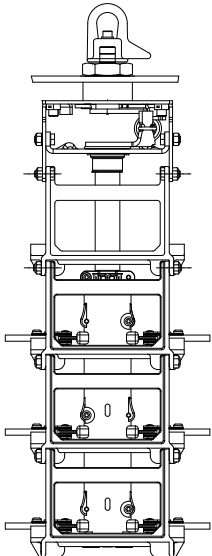
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Tap-Changer Switch, 150 A, 150 kV BIL (continued)	800-58 S800-58-1			6 Deck Switch, 5 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237529C16M
				6 Deck Switch, 7 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237529C66M
				6 Deck Switch, 5 Position, Bolt Tab with 1/4 - 20 Stud, <b>200 kV BIL</b>	2238348C06M
				6 Deck Switch, 7 Position, Bolt Tab with 1/4 - 20 Stud, <b>200 kV BIL</b>	2238348C56M
				<b>Single-Phase Cover-Mounted</b>	
				5 Position, Bolt Tab	2237472C01M
				5 Position, 16-14 AWG Terminals	2237472C02M
				5 Position, 12-10 AWG Terminals	2237472C03M
				5 Position, 8 AWG Terminals	2237472C04M
				5 Position, 6 AWG Terminals	2237472C05M
				5 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237472C16M
				5 Position, Bolt Tab with 1/4 - 20 Threaded Stud, Silver Pltd.	2237471C70M
				7 Position, Bolt Tab	2237472C51M
				7 Position, 16-14 AWG Terminals	2237472C52M
				7 Position, 12-10 AWG Terminals	2237472C53M
				7 Position, 8 AWG Terminals	2237472C54M
				7 Position, 6 AWG Terminals	2237472C55M
				7 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237472C66M
				<b>Three-Phase Cover-Mounted</b>	
				5 Position, Bolt Tab	2237473C01M
				5 Position, 16-14 AWG Terminals	2237473C02
				5 Position, 12-10 AWG Terminals	2237473C03M
				5 Position, 8 AWG Terminals	2237473C04M
				5 Position, 6 AWG Terminals	2237473C05M
				5 or 7 Position, Bolt Tab with 1/4 - 20 Threaded Stud	2237473C16M
				5 or 7 Position, Bolt Tab with 1/4 - 20 Threaded Stud, Silver Pltd.	2237473C80M
				7 Position, Bolt Tab	2237473C51M
				7 Position, 16-14 AWG Terminals	2237473C52M
				7 Position, 12-10 AWG Terminals	2237473C53M
				7 Position, 8 AWG Terminals	2237473C54M
				7 Position, 6 AWG Terminals	2237473C55M

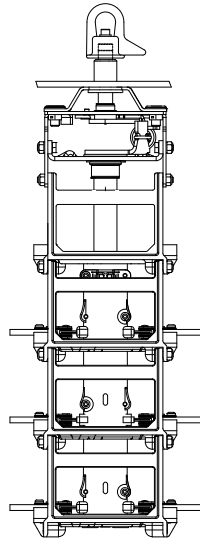
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers																																		
Externally Operated Tap-Changer Switch. 300 A, 150 kV BIL 	800-60 S800-60-1	Externally operated switch used to regulate induced voltage of transformer, allowing changes in primary voltage to maintain constant secondary voltage of pole- or pad-mounted transformers.	The Tap-Changer Switch shall be externally operated, with all silver plated contacts, snap action switch with a choice of the following operating systems: · Lever Handle · Hotstick handle Padlocking provisions are available for lever or hotstick operable handles.	300A, 35kV: (Single-Phase) (Two-Phase) (Three-Phase)	2237179C01M (1-Phase) 2237179C04M (2-Phase) 2237179C02M (3-Phase)																																		
Sectionalizing (Loadbreak) Switch 	800-64 S800-64-2	Under-oil used in underground residential applications with loopfeed, and in industrial installations where the ability to use an alternative source of power is necessary. Also used to switch on and off a primary cable tap on a transformer.	Single loadbreak switch with capability of switching on and off a primary cable tap and/or provides capability to switch to an alternative source of power when necessary or desired. Must have make-before-break capabilities for “V” and “T” blade options as needed.	<div>FOUR-POSITION SECTIONALIZING LOADBREAK SWITCHES HORIZONTAL-MOUNTED , 12.5 KA, 15.5 kV, 27.8 kV and 38 kV 630 A, 300 A and 200 A, 95 kV BIL, 125 kV BIL, 150 kV BIL</div> <table><tr><td colspan="2">Single-Phase</td></tr><tr><td>Straight Blade, On/Off</td><td>LS4BH1S12B</td></tr><tr><td>Selector Side</td><td>LS4BH1D12B</td></tr><tr><td>Selector Center</td><td>LS4BH1R12B</td></tr><tr><td>Selector On/Off</td><td>LS4BH1L12B</td></tr><tr><td>V-blade</td><td>LS4BH1V12B</td></tr><tr><td>T-blade</td><td>LS4BH1T12B</td></tr><tr><td colspan="2">Make-Before-Break Switches:</td></tr><tr><td>V-blade</td><td>LS4BH1V12M</td></tr><tr><td>T-blade</td><td>LS4BH1T12M</td></tr><tr><td colspan="2">Two-Phase</td></tr><tr><td>Straight Blade, On/Off</td><td>LS4BH2S12B</td></tr><tr><td>Selector Side</td><td>LS4BH2D12B</td></tr><tr><td>Selector Center</td><td>LS4BH2R12B</td></tr><tr><td>Selector On/Off</td><td>LS4BH2L12B</td></tr><tr><td>V-blade</td><td>LS4BH2V12B</td></tr><tr><td>T-blade</td><td>LS4BH2T12B</td></tr></table>		Single-Phase		Straight Blade, On/Off	LS4BH1S12B	Selector Side	LS4BH1D12B	Selector Center	LS4BH1R12B	Selector On/Off	LS4BH1L12B	V-blade	LS4BH1V12B	T-blade	LS4BH1T12B	Make-Before-Break Switches:		V-blade	LS4BH1V12M	T-blade	LS4BH1T12M	Two-Phase		Straight Blade, On/Off	LS4BH2S12B	Selector Side	LS4BH2D12B	Selector Center	LS4BH2R12B	Selector On/Off	LS4BH2L12B	V-blade	LS4BH2V12B	T-blade	LS4BH2T12B
Single-Phase																																							
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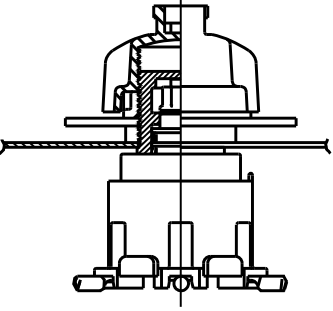


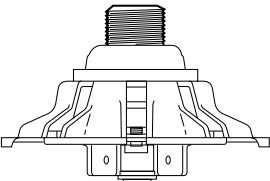
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Sectionalizing (Loadbreak) Switch (continued)	800-64 S800-64-2			<b>Make-Before-Break Switches:</b>	
				V-blade	LS4BH2V12M
				T-blade	LS4BH2T12M
				<b>Three-Phase</b>	
				Straight Blade, On/Off	LS4BH3S12B
				Selector Side	LS4BH3D12B
				Selector Center	LS4BH3R12B
				Selector On/Off	LS4BH3L12B
				V-blade	LS4BH3V12B
				T-blade	LS4BH3T12B
				<b>Make-Before-Break Switches:</b>	
				V-blade	LS4BH3V12M
				T-blade	LS4BH3T12M
				NOTE: For Ring-mounted, replace the "B" with an "R" in the 4th digit of the P/N. VERTICAL-MOUNTED, 12.5 kA, 15.5 kV, 27.8kV and 38 kV 630 A, 300 A and 200 A To order a vertical-mounted 12.5 kA switch - replace the "H" with a "V" in the 5th digit of the P/N	
				FOUR-POSITION SECTIONALIZING LOADBREAK SWITCHES HORIZONTAL-MOUNTED, 16 kA, 15 kV, 24 kV and 36 kV 630 A, 400 A and 200 A	
				<b>Single-Phase</b>	
				Straight Blade, On/Off	LS4BH1S16B
				Selector Side	LS4BH1D16B
				Selector Center	LS4BH1R16B
				Selector On/Off	LS4BH1L16B
				V-blade	LS4BH1V16B
				T-blade	LS4BH1T16B
				<b>Make-Before-Break Switches:</b>	
				V-blade	LS4BH1V16M
				T-blade	LS4BH1T16M
				<b>Two-Phase</b>	
				Straight Blade, On/Off	LS4BH2S16B
				Selector Side	LS4BH2D16B
				Selector Center	LS4BH2R16B
				Selector On/Off	LS4BH2L16B
				V-blade	LS4BH2V16B
				T-blade	LS4BH2T16B

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Sectionalizing (Loadbreak) Switch (continued)	800-64 S800-64-2			<b>Make-Before-Break Switches:</b>	
				V-blade	LS4BH2V16M
				T-blade	LS4BH2T16M
				<b>Three-Phase</b>	
				Straight Blade, On/Off	LS4BH3S16B
				Selector Side	LS4BH3D16B
				Selector Center	LS4BH3R16B
				Selector On/Off	LS4BH3L16B
				V-blade	LS4BH3V16B
				T-blade	LS4BH3T16B
				<b>Make-Before-Break Switches:</b>	
				V-blade	LS4BH3V16M
				T-blade	LS4BH3T16M
				NOTE: For Ring-mounted, replace the "B" with an "R" in the 4th digit of the P/N. VERTICAL-MOUNTED, 16 kA 15 kV, 24 kV and 36 kV 630 A, 400 A and 200 A To order a vertical-mounted 16 kA switch - replace the "H" with a "V" in the 5th digit of the P/N (ie: LS4BV3T16B)	

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers																																																								
Two-Position Sidewall-Mounted Loadbreak Switch, 200 kV BIL	800-65 S800-65-2	Compact, under-oil two-position loadbreak/loadmake switch for pad-mounted transformers or distribution switchgear.	On/off horizontally mounted single-, two- or three-phase loadbreak switch. Must conform to IEEE Std C37.71™ standard and IEEE Std C37.72™ standard (Latest Revision)																																																										
	<div><div><div>1234</div><div>L S 2 R</div><table><tr><th>CODE</th><th>PRODUCT</th></tr><tr><td>L</td><td>LOADBREAK</td></tr><tr><td>S</td><td>SWITCH</td></tr><tr><td>2</td><td>2-POSITION</td></tr></table><table><tr><th>CODE</th><th>INSTALLATION</th></tr><tr><td>R</td><td>RING MOUNT SYSTEM</td></tr><tr><td>W</td><td>WELD-IN MOUNT</td></tr></table></div><div><div>5678</div><div>3 3 8 H</div><table><tr><th>CODE</th><th>POWER RATING</th></tr><tr><td>338</td><td>300 A, 38 kV</td></tr><tr><td>427</td><td>400 A, 27 kV</td></tr><tr><td>515</td><td>550 A, 15 kV</td></tr><tr><td>646</td><td>65 A, 46 kV</td></tr></table><table><tr><th>CODE</th><th>ORIENTATION</th></tr><tr><td>H</td><td>HORIZONTAL</td></tr></table><table><tr><th>CODE</th><th>NUMBER OF PHASES</th></tr><tr><td>1</td><td>ONE</td></tr><tr><td>2</td><td>TWO</td></tr><tr><td>3</td><td>THREE</td></tr></table></div><div><div>910</div><div>3 N</div><table><tr><th>CODE</th><th>STYLE**</th></tr><tr><td>N</td><td>NORMAL</td></tr><tr><td>S</td><td>STAINLESS STEEL/ NON-CORROSIVE</td></tr></table><p>Note: Digit 10 must be "S" if digit 4 is "W".</p><table><tr><th>CODE</th><th>INDICATOR PLATE*</th></tr><tr><td>1</td><td>NO INDICATOR PLATE</td></tr><tr><td>2</td><td>WITH OPTIONAL INDICATOR PLATE (Indicator plate not available for Weld-In system)</td></tr></table><table><tr><th>CODE</th><th>HARDWARE KITS</th></tr><tr><td>A</td><td>HARDWARE KIT W/BRASS HANDLE</td></tr><tr><td>B</td><td>HARDWARE KIT FOR STAINLESS STEEL/NON- CORROSIVE SWITCHES</td></tr><tr><td>C</td><td>NO HARDWARE KIT</td></tr></table><p>Note: Digit 12 should always be "B" or "C", if digit 10 is "S", (for ring mount).</p></div><div>1112</div><div>1 A</div></div>					CODE	PRODUCT	L	LOADBREAK	S	SWITCH	2	2-POSITION	CODE	INSTALLATION	R	RING MOUNT SYSTEM	W	WELD-IN MOUNT	CODE	POWER RATING	338	300 A, 38 kV	427	400 A, 27 kV	515	550 A, 15 kV	646	65 A, 46 kV	CODE	ORIENTATION	H	HORIZONTAL	CODE	NUMBER OF PHASES	1	ONE	2	TWO	3	THREE	CODE	STYLE**	N	NORMAL	S	STAINLESS STEEL/ NON-CORROSIVE	CODE	INDICATOR PLATE*	1	NO INDICATOR PLATE	2	WITH OPTIONAL INDICATOR PLATE (Indicator plate not available for Weld-In system)	CODE	HARDWARE KITS	A	HARDWARE KIT W/BRASS HANDLE	B	HARDWARE KIT FOR STAINLESS STEEL/NON- CORROSIVE SWITCHES	C	NO HARDWARE KIT
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<p>* NORMAL style switch has all externally located parts built from plated steel, aluminum and brass materials.</p> <p>** STAINLESS STEEL/NON-CORROSIVE style switch has all externally located parts built from stainless steel and brass materials.</p> <p>STAINLESS STEEL/NON-CORROSIVE style ring mount switch should always be matched with a hardware kit having a brass handle and a stainless steel nut.</p> <p><b>Note:</b> Catalog Number Example shown represents a standard, ring mount system, 300 A, 38 kV, horizontal, three-phase, standard plated steel external parts, w/o indicator plate, with brass handle hardware kit, 6:00/9:00 positions. (Other handle position options available upon request for 9:00/12:00, 12:00/3:00, and 3:00/6:00 positions. Consult your Cooper Power Systems sales representative for details.)</p>																																																													

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Two-Position Cover-Mounted Loadbreak Switch, 200 kV BIL	800-65 S800-65-2	Compact, under-oil two-position loadbreak/loadmake switch for pad-mounted transformers or distribution switchgear.	On/off vertically-mounted single-, two- or three-phase loadbreak switch. Must conform to IEEE Std C37.71™ standard and IEEE Std C37.72™ standard (Latest Revision)		
					
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Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple/Dual Voltage Switches (Single-Phase), 50 A, 125 kV BIL  	800-70 S800-70-1	Externally operated switch used to connect the primary transformer winding either in series for higher winding ratio, or parallel for lower ratio. Allows one transformer to be stocked for use on any of two or three distribution systems.	The Dual Voltage switch shall be externally operated, snap action switch with Cap wrench, Lever Handle, or Hotstick operating systems. Padlock provisions are available for lever or hotstick operable handles.	Bolt Tabs 90° Bend	2237501C01
				16-14 AWG Terminals, Long Shank	2237501C10
				12-10 AWG Terminals, Long Shank	2237501C11
				8 AWG Terminals, Long Shank	2237501C12
				Three 16-14 AWG Terminals, Long Shank and Two Bolt Tabs	2237501C13
				Three 12-10 AWG Terminals, Long Shank and Two Bolt Tabs	2237501C14
				Three 8 AWG Terminals, Long Shank and Two Bolt Tabs	2237501C15
				Three 16-14 AWG Terminals, Long Shank and Two Straight Bolt Tabs	2237501C16
				Three 12-10 AWG Terminals, Long Shank and Two Straight Bolt Tabs	2237501C17
				Three 8 AWG Terminals, Long Shank and Two Straight Bolt Tabs	2237501C18
				Bolt Tab Bent 90° w/1/4 - 20 Threaded Stud	2237501C60
				Bolt Tab Bent 45° w/1/4 - 20 Threaded Stud	2237501C61
				Three 14-16 AWG Terminals, Long Shank and Two 12-10 AWG Terminals, Long Shank	2237501C83

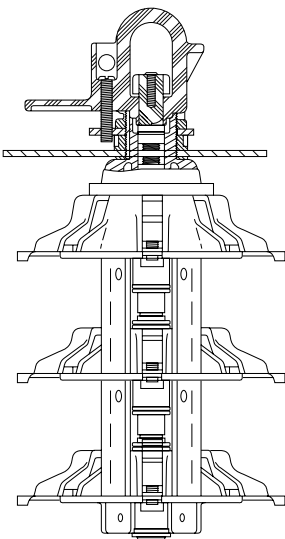
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Single-Phase 	800-71 S800-71-1	Externally operated switch used to connect the primary transformer winding either in series for higher winding ratio, or parallel for lower ratio. Allows one transformer to be stocked for use on any of two or three distribution systems.	The Dual Voltage switch shall be externally operated, snap action switch with Cap wrench or Padlockable Lever Handle operating systems.	<b>Single-Phase 6 Terminals on Front Deck</b>	
				Bolt Tabs	2237434C01M
				16-14 AWG Terminals	2237434C02M
				12-10 AWG Terminals	2237434C03M
				8 AWG Terminals	2237434C04M
				6 AWG Terminals	2237434C05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237434C16M
				<b>Single-Phase 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237434C51M
				16-14 AWG Terminals	2237434C52M
				12-10 AWG Terminals	2237434C53M
				8 AWG Terminals	2237434C54M
				6 AWG Terminals	2237434C55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237434C66M
				<b>Single-Phase 6 Terminals Front Deck, 4-Terminal Back Deck</b>	
				Bolt Tabs	2237435C01M
				16-14 AWG Terminals	2237435C02M
				12-10 AWG Terminals	2237435C03M
				8 AWG Terminals	2237435C04M
				6 AWG Terminals	2237435C05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237435C06M
				<b>Single-Phase 8 Terminals Front Deck, 4 Terminals Back Deck</b>	
				Bolt Tabs	2237435C51M
				16-14 AWG Terminals	2237435C52M
				12-10 AWG Terminals	2237435C53M
				8 AWG Terminals	2237435C54M
				6 AWG Terminals	2237435C55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237435C56M
				<b>Single-Phase Double Back Plate, 8 Terminals</b>	
				Bolt Tabs	2237492C01M
				16-14 AWG Terminals	2237492C02M
				12-10 AWG Terminals	2237492C03M
				8 AWG Terminals	2237492C04M

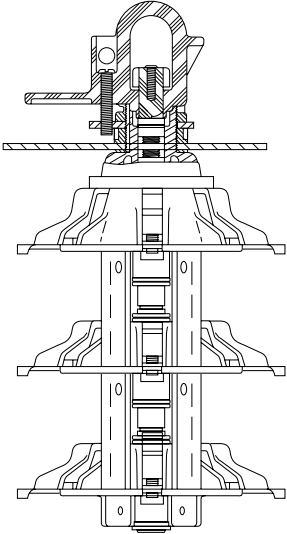
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Single-Phase (continued)	800-71 S800-71-1			6 AWG Terminals	2237492C05M
				<b>Special Switches with 8 Terminals on Front and Back Deck, (Special Back Deck Contacts)</b>	
				16-14 AWG Terminals	2237984C01M
				12-10 AWG Terminals	2237984C02M
				8 AWG Terminals	2237984C03M
				6 AWG Terminals	2237984C04M
				Bolt Tabs	2237984C05M
				Bolt Tabs	2238066C06M
				16-14 AWG Terminals	2238066C07M
				12-10 AWG Terminals	2238066C08M
				8 AWG Terminals	2238066C09M
				6 AWG Terminals	2238066C10M
				<b>Single-Phase Special Switch (Cap/Lever) 6 Terminals on Front Deck (Cover Mounted Switch)</b>	
				Bolt Tabs	2237576C01M
				16-14 AWG Terminals	2237576C02M
				12-10 AWG Terminals	2237576C03M
				8 AWG Terminals	2237576C04M
				6 AWG Terminals	2237576C05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237576C06M
				<b>Single-Phase Special Switch (Cap/Lever) 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237576C51M
				16-14 AWG Terminals	2237576C52M
				12-10 AWG Terminals	2237576C53M
				8 AWG Terminals	2237576C54M
				6 AWG Terminals	2237576C55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237576C56M
				<b>Single-Phase Switch with 6 Terminal Back Deck 6 Terminals on Front Deck</b>	
				Bolt Tabs	2237438C01M
				16-14 AWG Terminals	2237438C02M
				12-10 AWG Terminals	2237438C03M
				8 AWG Terminals	2237438C04M
				6 AWG Terminals	2237438C05M

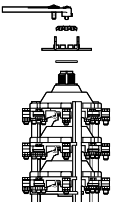
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Single-Phase (continued)	800-71 S800-71-1			<b>8 Terminals on Front Deck</b>	
				Bolt Tabs	2237438C51M
				16-14 AWG Terminals	2237438C52M
				12-10 AWG Terminals	2237438C53M
				8 AWG Terminals	2237438C54M
				6 AWG Terminals	2237438C55M
				<b>Single-Phase Special Switch With 8 Terminals on Front and Back Deck</b>	
				Bolt Tabs	2238011C01M
				16-14 AWG Terminals	2238011C02M
				12-10 AWG Terminals	2238011C03M
				8 AWG Terminals	2238011C04M
				6 AWG Terminals	2238011C05M
				<b>Single-Phase Switch without Back Deck 6 Terminals on Front Deck</b>	
				Bolt Tabs	2237262C01M
				16-14 AWG Terminals	2237262C02M
				12-10 AWG Terminals	2237262C03M
				8 AWG Terminals	2237262C04M
				6 AWG Terminals	2237262C05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237262C16M
				<b>Single-Phase Switch with 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237262C51M
				16-14 AWG Terminals	2237262C52M
				12-10 AWG Terminals	2237262C53M
				8 AWG Terminals	2237262C54M
				6 AWG Terminals	2237262C55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237262C66M
				<b>Single-Phase Switch with 4 Terminal Back Deck 6 Terminals on Front Deck</b>	
				Bolt Tab	2237264C01M
				16-14 AWG Terminals	2237264C02M
				12-10 AWG Terminals	2237264C03M
				8 AWG Terminals	2237264C04M
				6 AWG Terminals	2237264C05M
				Bolt Tab With 1/4 - 20 Threaded Stud	2237264C16M
				<b>Single-Phase 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237264C51M
				16-14 AWG Terminals	2237264C52M
				12-10 AWG Terminals	2237264C53M



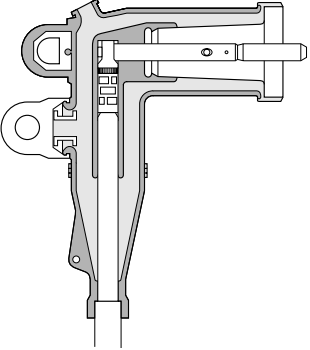
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Single-Phase (continued)	800-71 S800-71-1			8 AWG Terminals	2237264C54M
				6 AWG Terminals	2237264C55M
				Bolt Tab With 1/4 - 20 Threaded Stud	2237264C66M
				<b>Single-Phase 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237485C01M
				<b>Special Switch with 8 Terminals on Front and Back Deck</b>	
				Bolt Tabs	2238066C01M
				16-14 AWG Terminals	2238066C02M
				12-10 AWG Terminals	2238066C03M
				8 AWG Terminals	2238066C04M
				6 AWG Terminals	2238066C05M
				<b>Special Switch with 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237486C10M
				<b>Single-Phase Switch without Back Deck 6 Terminals on Front Deck (Cover Mount Switch)</b>	
				Bolt Tabs	2237465C01M
				16-14 AWG Terminals	2237465C02M
				12-10 AWG Terminals	2237465C03M
				8 AWG Terminals	2237465C04M
				6 AWG Terminals	2237465C05M
				<b>Single-Phase Switch with 6 Terminal Back Plate 6 Terminals on Front Deck (Tri-Voltage Switch)</b>	
				Bolt Tabs	2237268C01M
				16-14 AWG Terminals	2237268C02M
				12-10 AWG Terminals	2237268C03M
				8 AWG Terminals	2237268C04M
				6 AWG Terminals	2237268C05M
				<b>8 Terminals on Front Deck</b>	
				Bolt Tabs	2237268C51M
				16-14 AWG Terminals	2237268C52M
				12-10 AWG Terminals	2237268C53M
				8 AWG Terminals	2237268C54M
				6 AWG Terminals	2237268C55M
				<b>Single-Phase Special Switch, 8 Terminals on Front Deck (Tri-Voltage Switch)</b>	
				Bolt Tabs	2237661C01M
				Bolt Tabs	2237674C01M

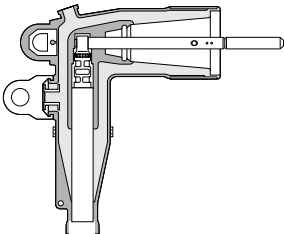
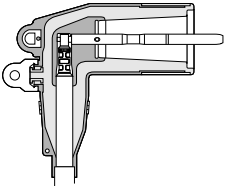
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
<p>Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Two- and Three-Phase</p> 	<p>800-72 S800-72-1</p>	<p>Externally operated switch used to connect the primary transformer winding either in series for higher winding ratio, or parallel for lower ratio. Allows one transformer to be stocked for use on any of two or three distribution systems.</p>	<p>The Dual Voltage switch shall be externally operated, snap action switch with Padlockable Hotstick or "T" Handle operating systems. Silver plated contacts option if desired.</p>	<b>Two-Phase Switch w/6 Terminals on Front Deck, (2 Main Decks)</b>	
				Bolt Tabs	2237266C01M
				16-14 AWG Terminals	2237266C02M
				12-10 AWG Terminals	2237266C03M
				8 AWG Terminals	2237266C04M
				6 AWG Terminals	2237266C05M
				<b>Two-Phase Switch w/8 Terminals on Front Deck (2 Main Decks)</b>	
				Bolt Tabs	2237266C51M
				16-14 AWG Terminals	2237266C52M
				12-10 AWG Terminals	2237266C53M
				8 AWG Terminals	2237266C54M
				6 AWG Terminals	2237266C55M
				<b>Three-Phase Switch with 4 Terminal Back Deck 6 Terminals on Front Deck</b>	
				Bolt Tabs	2237914C01M
				16-14 AWG Terminals	2237914C02M
				12-10 AWG Terminals	2237914C03M
				8 AWG Terminals	2237914C04M
				6 AWG Terminals	2237914C05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237914C16M
				<b>Special Three-Phase Switch with 6 Terminals on All Deck</b>	
				Bolt Tabs	2237560C01M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237560C06M
				<b>Special Three-Phase Switch with 8 Terminals on Front Deck</b>	
				Front Deck	2237560C51M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237560C56M
				<b>Two-Phase Special Switch 8 Terminals on Front Deck (Tri-Voltage Switch)</b>	
				Bolt Tabs	2237510C01M
				<b>Three-Phase Switch without Back Deck 6 Terminals on Front Decks</b>	
				Bolt Tabs	2237265C01M
				16-14 AWG Terminals	2237265C02M
				12-10 AWG Terminals	2237265C03M
				8 AWG Terminals	2237265C04M
				6 AWG Terminals	2237265C05M
				Bolt Tab With 1/4 - 20 Threaded Stud	2237265C16M
				<b>Three-Phase Switch without Back Deck 8 Terminals on Front Decks</b>	
				Bolt Tabs	2237265C51M

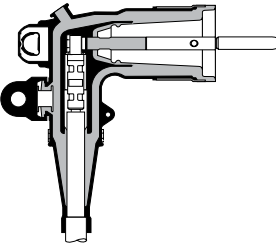
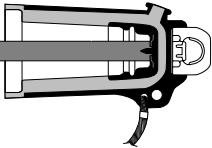
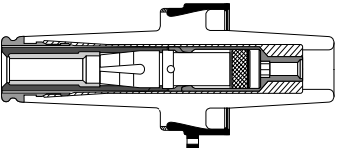
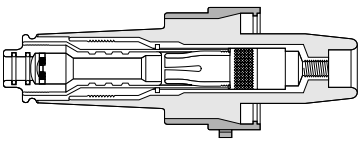
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Two- and Three-Phase (continued) 	800-72 S800-72-1			16-14 AWG Terminals	2237265C52M
				12-10 AWG Terminals	2237265C53M
				8 AWG Terminals	2237265C54M
				6 AWG Terminals	2237265C55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237265C66M
				<b>Three-Phase Switch 4 Terminal Back Deck, 6 Terminals on Front Deck</b>	
				Bolt Tabs	2237403B01M
				16-14 AWG Terminals	2237403B02M
				12-10 AWG Terminals	2237403B03M
				8 AWG Terminals	2237403B04M
				6 AWG Terminals	2237403B05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237403B16M
				<b>Three-Phase Switch 8 Terminal Double Back Deck, 6 Terminals on Front Deck</b>	
				Bolt Tabs	2237403B06M
				16-14 AWG Terminals	2237403B07M
				12-10 AWG Terminals	2237403B08M
				8 AWG Terminals	2237403B09M
				6 AWG Terminals	2237403B10M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237403B11M
				<b>Three-Phase Switch 4 Terminal Back Deck, 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237403B51M
				16-14 AWG Terminals	2237403B52M
				12-10 AWG Terminals	2237403B53M
				8 AWG Terminals	2237403B54M
				6 AWG Terminals	2237403B55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237403B66M
				<b>Three-Phase Switch 8 Terminal Double Back Deck, 8 Terminals on Front Deck</b>	
				Bolt Tabs	2237403B56M
				16-14 AWG Terminals	2237403B57M
				12-10 AWG Terminals	2237403B58M
				8 AWG Terminals	2237403B59M
				6 AWG Terminals	2237403B60M
				6 AWG Terminals	2237403B60M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237403B61M

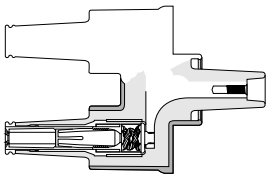
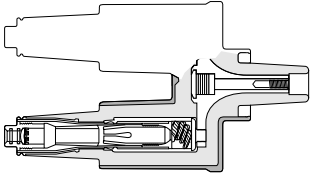
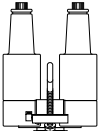
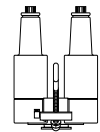
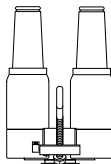
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Externally Operated Series Multiple Switches, 150 A, 150 kV BIL, Two- and Three-Phase (continued)	800-72 S800-72-1			<b>Three-Phase Special Switch 8 Terminals on Front Deck, 5 Terminals on Back Deck</b>	
				Bolt Tabs	2237908C01M
				<b>Three-Phase Special Switch 6 Terminals on Front Deck, No Terminals on Back Deck For Support Only</b>	
				Bolt Tabs	2237586C01M
				<b>Three-Phase Switch without Back Deck 6 Terminals on Front Decks (Cover Mount Switch)</b>	
				Bolt Tabs	2237467C01M
				16-14 AWG Terminals	2237467C02M
				12-10 AWG Terminals	2237467C03M
				<b>Three-Phase Switch without Back Deck 8 Terminals on Front Decks</b>	
				Bolt Tabs	2237467C51M
				<b>Three-Phase Switch with 6 Terminal Back Deck 6 Terminals on Front Deck (Tri-Voltage Switch)</b>	
				Bolt Tabs	2237404B01M
				16-14 AWG Terminals	2237404B02M
				12-10 AWG Terminals	2237404B03M
				8 AWG Terminals	2237404B04M
				6 AWG Terminals	2237404B05M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237404B06M
				<b>Three-Phase Switch with 6 Terminal Back Deck 8 Terminals on Front Deck (Tri-Voltage Switch)</b>	
				Bolt Tabs	2237404B51M
				16-14 AWG Terminals	2237404B52M
				12-10 AWG Terminals	2237404B53M
				8 AWG Terminals	2237404B54M
				6 AWG Terminals	2237404B55M
				Bolt Tab with 1/4 - 20 Threaded Stud	2237404B56M
Externally Operated Series Multiple Switches, 300 A, 150 kV BIL 	800-75 S800-75-1	Externally operated switch used to connect the primary transformer winding either in series for higher winding ratio, or parallel for lower ratio. Allows one transformer to be stocked for use on any of two or three distribution systems.	The Dual-Voltage switch shall be externally operated, snap action switch with Padlockable Lever Handle, or Padlockable Hotstick operating systems.	Single-Phase, Dual-Voltage with 6 Terminals	2201977B01M
				Two-Phase, Dual-Voltage with 6 Terminals on each Deck	2201977B17M
				Three-Phase, Dual-Voltage with 6 Terminals on each Deck	2201977B02M
				Three-Phase, Dual-Voltage with 8 Terminals on each Deck	2201977B05M
				Single-Phase, Dual-Voltage with 4 Terminal Back Switch	2201977B04M

# Separable Connectors

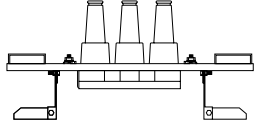
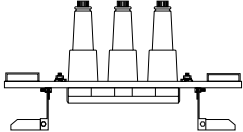
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
<b>LOADBREAK CONNECTORS</b>					
Loadbreak Elbow Connector  	500-10-7 500-10-7C (Canadian) S500-10-7 S500-10-8	Fully-shielded/insulated plug-in termination for connecting shielded, insulated, deadfront connection of underground (URG) cable to transformers, switching cabinets and junctions equipped with loadbreak bushings. Provides capability for continuous current rating and load per unit and breaking to 200 A, 15 kV.  <b>NOTE:</b> To add optional Jacket Seal Option, insert a "J" after LE, ie: LEJ215.	The Loadbreak elbow shall conform to IEEE Std 386™ standard Separable Insulated Connectors for Power Distribution Systems Above 600 V. Bimetallic (Coppertop Connectors).	<b>200 A, 15 kV</b>	
				Elbow without Test Point, with CopperTop Connector, Bulk Pack	LE215- - -
				Elbow without Test Point, with CopperTop Connector, Individual Box Kit	LE215- - -X
				Elbow with Test Point, with CopperTop Connector, Bulk Pack	LE215- - -T
				Elbow with Test Point, with CopperTop Connector, Individual Box Kit	LE215- - -TX
				Elbow without Test Point, with CopperTop Connector, Bulk Pack, with 5 kV Cable Adapter	LE215CCA- -
				Elbow without Test Point, with CopperTop Connector, Individual Box Kit, with 5 kV Cable Adapter	LE215CCA- -X
				Elbow with Test Point, with CopperTop Connector, Bulk Pack, with 5 kV Cable Adapter	LE215CCA- -T
				Elbow with Test Point, with CopperTop Connector, Individual Box Kit, with 5 kV Cable Adapter	LE215CCA- -TX
				Elbow without Test Point, with CopperTop Connector, Bulk Pack, with 5 kV Cable Adapter	LE215CCB- -
				Elbow without Test Point, with CopperTop Connector, Individual Box Kit, with 5 kV Cable Adapter	LE215CCB- -X
				Elbow with Test Point, with CopperTop Connector, Bulk Pack, with 5 kV Cable Adapter	LE215CCB- -T
				Elbow with Test Point, with CopperTop Connector, Individual Box Kit, with 5 kV Cable Adapter	LE215CCB- -TX
				Elbow without Test Point, without CopperTop Connector, Bulk Pack	LE215-00
				Elbow without Test Point, without CopperTop Connector, Individual Box Kit	LE215-00X
				Elbow with Test Point, without CopperTop Connector, Bulk Pack	LE215-00T
				Elbow with Test Point, without CopperTop Connector, Individual Box Kit	LE215-00TX

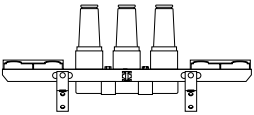
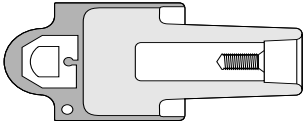
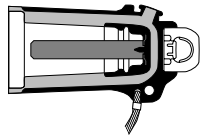
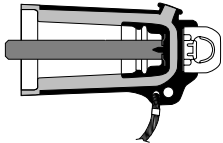
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Expanded Range Loadbreak Elbow Connector  	500-28-7 S500-10-1 500-28-7C (28 kV Canadian)	Fully-shielded/insulated plug-in termination for connecting shielded, insulated, deadfront conn of URG cable to transformers, switching cabinets and junctions equipped w/loadbreak bushings. Provides capability for continuous current rating and load per unit and breaking to 200 A, 25 kV.  <b>NOTE:</b> To add optional Jacket Seal Option, insert a "J" after LE, ie: LEJ225.	The Loadbreak elbow shall conform to IEEE Std 386™ standard Separable Insulated Connectors for Power Distribution Systems Above 600 V. Bimetallic (Coppertop Connectors).	<b>200 A, 25 kV</b>	
				Elbow without Test Point, with CopperTop Connector, Bulk Pack	LE225- - -
				Elbow without Test Point, with CopperTop Connector, Individual Box Kit	LE225- - -X
				Elbow with Test Point, with CopperTop Connector, Bulk Pack	LE225- - -T
				Elbow with Test Point, with CopperTop Connector, Individual Box Kit	LE225- - -TX
				Elbow without Test Point, without CopperTop Connector, Bulk Pack	LE225-00
				Elbow without Test Point, without CopperTop Connector, Individual Box Kit	LE225-00X
				Elbow with Test Point, without CopperTop Connector, Bulk Pack	LE225-00T
				Elbow with Test Point, without CopperTop Connector, Individual Box Kit	LE225-00TX
Three-Phase Loadbreak Elbow Connector  	500-41 S500-41-1	Fully-shielded/insulated plug-in termination for three-phase shielded, insulated, deadfront conn. of URG cable to transformers, switching cabinets and junctions equipped w/loadbreak bushings. Provides capability for continuous current rating and load per unit and breaking to 200 A, 35 kV.	The Loadbreak elbow shall conform to IEEE Std 386™ standard Separable Insulated Connectors for Power Distribution Systems Above 600 V. Bimetallic (Coppertop Connectors).	<b>200 A, 35 kV</b>	
				Elbow without Test Point, with CopperTop Connector, Bulk Pack	LE235- - -
				Elbow without Test Point, with CopperTop Connector, Individual Box Kit	LE235- - -X
				Elbow with Test Point, with CopperTop Connector, Bulk Pack	LE235- - -T
				Elbow with Test Point, with CopperTop Connector, Individual Box Kit	LE235- - -TX
				Elbow without Test Point, without CopperTop Connector, Bulk Pack	LE235-00
				Elbow without Test Point, without CopperTop Connector, Individual Box Kit	LE235-00X
				Elbow with Test Point, without CopperTop Connector, Bulk Pack	LE235-00T

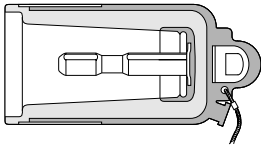
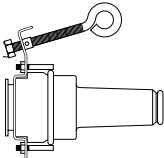
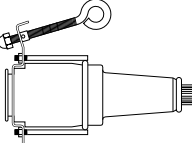
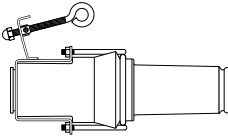
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
POSI-BREAK Expanded Range Loadbreak Elbow Connector 	500-29-7 S500-10-1 500-29-7CC (28 kV Canadian)	Fully-shielded/insulated plug-in termination for connecting shielded, insulated, deadfront continuous of URG cable to transformers, switching cabinets and junctions equipped w/loadbreak bushings. Provides capability for continuous current rating and load per unit and breaking to 200 A, 25 kV.  <b>NOTE:</b> To add optional Jacket Seal Option, insert a "J" after PLE, ie: PLEJ225.	The loadbreak elbow shall conform to IEEE 386™ standard. The elbow shall provide increased creepage distance via an insulated sleeve around the top of the copper probe and a layer of EPDM rubber over the conductive internal insert of the elbow.	<b>200 A, 25 kV</b>	
				POSI-BREAK Elbow without Test Point, with CopperTop Connector, Bulk Pack	PLE225- - -
				POSI-BREAK Elbow without Test Point, with CopperTop Connector, Individual Box Kit	PLE225- - -X
				POSI-BREAK Elbow with Test Point, with CopperTop Connector, Bulk Pack	PLE225- - -T
				POSI-BREAK Elbow with Test Point, with CopperTop Connector, Individual Box Kit	PLE225- - -TX
				POSI-BREAK Elbow without Test Point, without CopperTop Connector, Bulk Pack	PLE225-00
				POSI-BREAK Elbow without Test Point, without CopperTop Connector, Individual Box Kit	PLE225-00X
				POSI-BREAK Elbow with Test Point, without CopperTop Connector, Bulk Pack	PLE225-00T
				POSI-BREAK Elbow with Test Point, without CopperTop Connector, Individual Box Kit	PLE225-00TX
POSI-BREAK Insulated Protective Cap 	500-37 500-37C (28 kV Canadian) S500-21-1	Designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, it provides a fully shielded, submersible insulating cover for energized bushings.	The cap shall provide permanent or temporary installation on bushings, junctions or feedthru devices that meet the requirements of IEEE 386™ standard.	200 A, 25 kV	PLPC225 (Bulk Pack, 30/box) PLPC225X (Individual Box Kit)
Loadbreak Bushing Insert 	500-12 S500-12-1	Designed for installation in transformers, switchgear or other apparatus with 200 A high-voltage bushing wells. The loadbreak interface mates with elbow terminators or other accessories that conform to IEEE Std 386™ standard.	The Loadbreak Bushing Insert shall conform to IEEE Std 386™ standard. Current carrying path shall be all copper. Shall have a hex-broached base to accommodate torque tool for installation assistance. Latched elbow indicator ring shall be standard offering.	200 A, 15 kV	LBI215BP (Bulk Pack, 32/box) (For 250 pc packing (Skid) Change to LBI215ITP) LBI215X (Individual Box Kit) LBITool (Installation Torque Tool)
Loadbreak Bushing Insert 	500-26 500-26C (28 kV Canadian) S500-12-1	Designed for installation in transformers, switchgear or other apparatus with 200 A high-voltage bushing wells. The loadbreak interface mates with elbow terminators or other accessories that conform to IEEE Std 386™ standard.	The Loadbreak Bushing Insert shall conform to IEEE Std 386™ standard. Current carrying path shall be all copper. Shall have a hex-broached base to accommodate torque tool for installation assistance. Latched elbow indicator ring shall be available as an option.	200 A, 25 kV	LBI225 (Standard Length); (Add "X" for Individual Box Kit) (Add "BP" Bulk Pack, 32/box) (For 250 pc. packing (skid) Change to LBI225ITP) LBI225L (Long Version)

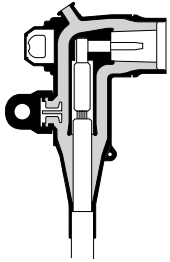
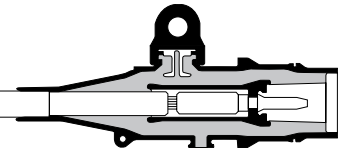
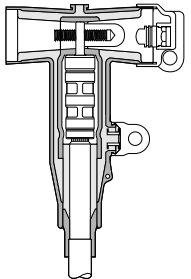
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Rotatable Feedthru Insert 	500-13 S500-13-1	Used to provide dual bushings from a single apparatus bushing well. It allows the conversion of a radial feed transformer to feedthru transformer. In addition it provides area for installation of MOVE Arresters for cable protection.	The Rotatable Feedthru must conform to IEEE Std 386™ standard. The current carrying path will be all copper/copper alloy. Shall have a torque limiting feature between 7-14 ft-lbs to eliminate bushing well stud breakage. Must be capable of rotating clockwise continuously without loosening the current interchange.	200 A, 15 kV	LFI215
Rotatable Feedthru Insert 	500-30 500-30C (28 kV Canadian) S500-13-1	Used to provide dual bushings from a single apparatus bushing well. It allows the conversion of a radial feed transformer to feedthru transformer. In addition it provides area for installation of MOVE Arresters for cable protection.	The Rotatable Feedthru must conform to IEEE Std 386™ standard. The current carrying path will be all copper/copper alloy. Shall have a torque limiting feature between 7-14 ft-lbs to eliminate bushing well stud breakage. Must be capable of rotating clockwise continuously without loosening the current interchange.	200 A, 25 kV	LFI225
Loadbreak Portable Feedthru 200 A, 15 kV 	500-14 S500-14-1	Used in pad-mounted equipment, underground vaults, and other apparatus to bypass transformers, to test and ground circuits, and to provide open point deadfront lightning arrester protection.	The Portable Feedthru must be able to be used with 15 kV Class loadbreak elbows and other accessories and meet the requirements of IEEE Std 386™ standard. The Portable Feedthru shall also be fully shielded, submersible, separable connection for loadbreak operation.	Horizontal Feedthru	LPF215H
				Vertical Feedthru	LPF215V
				Universal (Horizontal/Vertical Combination)	LPF215U
Loadbreak Portable Feedthru 200 A, 25 kV 	500-31 500-31C (28 kV Canadian) S500-14-1	Used in pad-mounted equipment, underground vaults, and other apparatus to bypass transformers, to test and ground circuits, and to provide open point deadfront lightning arrester protection.	The Portable Feedthru must be able to be used with 25 kV Class loadbreak elbows and other accessories and meet the requirements of IEEE Std 386™ standard. The Portable Feedthru shall also be fully shielded, submersible, separable connection for loadbreak operation.	Horizontal Feedthru	LPF225H
				Vertical Feedthru	LPF225V
				Universal (Horizontal/Vertical Combination)	LPF225U
Three-Phase Loadbreak Portable Feedthru 200 A, 35 kV 	500-49 S500-14-1	Used in pad-mounted equipment, underground vaults, and other apparatus to bypass transformers, to test and ground circuits, and to provide open point deadfront lightning arrester protection.	The Portable Feedthru must be able to be used with large 35 kV Class loadbreak elbows and other accessories and meet the requirements of IEEE Std 386™ standard. The Portable Feedthru shall also be fully shielded, submersible, separable connection for loadbreak operation.	Horizontal Feedthru	LPF235H
				Vertical Feedthru	LPF235V

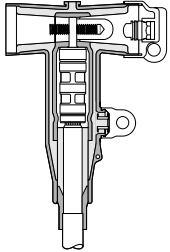
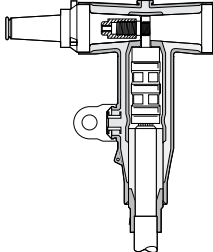


Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Loadbreak Junction 	500-15 S500-15-1	Used in pad-mounted apparatus, underground vaults, and other apparatus to sectionalize, establish loops, taps and splices, and to facilitate apparatus changeouts.	The junction shall provide two, three or four 8.3/14.4 kV loadbreak interfaces that are internally bused together and meet all requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems. The junction shall also have a solid current path of all copper.	<b>200 A 15 kV Class Loadbreak Junction</b>	
				2 Interfaces Junction with Stainless Steel Bracket	LJ215C2B
				3 Interfaces Junction with Stainless Steel Bracket	LJ215C3B
				4 Interfaces Junction with Stainless Steel Bracket	LJ215C4B
				2 Interfaces Junction with U-Straps	LJ215C2U
				3 Interfaces Junction with U-Straps	LJ215C3U
				4 Interfaces Junction with U-Straps	LJ215C4U
				2 Interfaces Junction Only	LJ215C2
				3 Interfaces Junction Only	LJ215C3
				4 Interfaces Junction Only	LJ215C4
Loadbreak Junction 	500-32 500-32C (28 kV Canadian) S500-32-1	Used in pad-mounted apparatus, underground vaults, and other apparatus to sectionalize, establish loops, taps and splices, and to facilitate apparatus changeouts.	The junction shall provide two, three or four 15.2/26.3 kV loadbreak interfaces that are internally bused together and meet all requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems. The junction shall also have a solid current path of all copper.	<b>200 A, 25 kV Class Loadbreak Junction</b>	
				2 Interfaces Junction with Stainless Steel Bracket	LJ225C2B
				3 Interfaces Junction with Stainless Steel Bracket	LJ225C3B
				4 Interfaces Junction with Stainless Steel Bracket	LJ225C4B
				2 Interfaces Junction with U-Straps	LJ225C2U
				3 Interfaces Junction with U-Straps	LJ225C3U
				4 Interfaces Junction with U-Straps	LJ225C4U
				2 Interfaces Junction Only	LJ225C2
				3 Interfaces Junction Only	LJ225C3
				4 Interfaces Junction Only	LJ225C4

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Three-Phase Loadbreak Junction  	500-51	Used in pad-mounted apparatus, underground vaults, and other apparatus to sectionalize, establish loops, taps and splices, and to facilitate apparatus changeouts.	The junction shall provide two, three or four 21.1/36.6 kV loadbreak interfaces that are internally bused together and meet all requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems. The junction shall also have a solid current path of all copper.	<b>200 A 35 kV Class Three-Phase Loadbreak Junction</b>	
				2 Interfaces Junction with Stainless Steel Bracket	LJ235C2B
				3 Interfaces Junction with Stainless Steel Bracket	LJ235C3B
				4 Interfaces Junction with Stainless Steel Bracket	LJ235C4B
				2 Interfaces Junction with U-Straps	LJ235C2U
				3 Interfaces Junction with U-Straps	LJ235C3U
				4 Interfaces Junction with U-Straps	LJ235C4U
				2 Interfaces Junction Only	LJ235C2
				3 Interfaces Junction Only	LJ235C3
				4 Interfaces Junction Only	LJ235C4
200 A 15/25 kV Class Bushing Well Insulated Plug  	500-38 500-38C (28 kV Canadian)	Provides an insulated, fully shielded, submersible cover for unused 15 and 25 kV Class bushing well in deadfront equipment	The Bushing Well Insulated Plug shall meet the full requirements of IEEE Std 386™ standard - Separable, Insulated Connector Systems. It shall also be molded of high quality EPDM insulation and have a molded semi-conductive EPDM shield. The plug will also have a molded ground tab on the shield to allow attachment of ground wire to ensure deadfront construction.	Insulated Bushing Well Plug	IBWP225
200 A 15 kV CLASS Loadbreak Protective Cap with Insulated Cuff  	500-21 S500-21-1	Designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, it provides a fully shielded, submersible insulating cover for energized bushings.	The cap shall provide permanent or temporary installation on bushings, junctions or feedthru devices that meet the requirements of IEEE Std 386™ standard.	Loadbreak Protective Cap with Drain Wire, Bulk Pack	LPC215 LBC215X
				Loadbreak Protective Cap with Drain Wire, Individual Box Kit	LPC215X
200 A 25 kV Class Loadbreak Protective Cap with Insulated Cuff  	500-39 S500-21-1	Designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, it provides a fully shielded, submersible insulating cover for energized bushings.	The cap shall provide permanent or temporary installation on bushings, junctions or feedthru devices that meet the requirements of IEEE Std 386™ standard.	Loadbreak Protective Cap, with Drain Wire, with Insulated Cuff, Bulk Pack	LPC225 LPC225X
				Loadbreak Protective Cap, with Drain Wire, with Insulated Cuff, Individual Box Kit	LPC225X

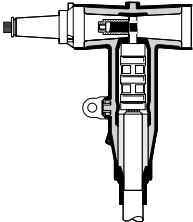
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Insulated Protective Cap 	500-65 S500-21-1	Designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, it provides a fully shielded, submersible insulating cover for energized bushings.	The cap shall provide permanent or temporary installation on bushings, junctions or feedthru devices that meet the requirements of IEEE Std 386™ standard.	200A, 35kV	LPC235
Insulated Standoff Bushing 200 A, 15 kV Class 	500-22 S500-22-1	Isolates and sectionalizes energized cable in pad-mounted cabinets, underground vaults, and other apparatus	The Insulated Standoff Bushing shall be designed to install in the parking stand mounted on a transformer or other apparatus. It shall meet the requirements of IEEE Std 386™ standard. It shall also provide a single loadbreak interface made of high quality insulating EPDM.	Insulated Bushing with Standard Bracket	ISB215
				Insulated Bushing with Stainless Steel Bracket	ISB215S
Insulated Standoff Bushing 200 A, 25 kV Class 	500-40 500-40C (28 kV Canadian) S500-22-1	Isolates and sectionalizes energized cable in pad-mounted cabinets, underground vaults, and other apparatus	The Insulated Standoff Bushing shall be designed to install in the parking stand mounted on a transformer or other apparatus. It shall meet the requirements of IEEE Std 386™ standard. It shall also provide a single loadbreak interface made of high quality insulating EPDM.	Standoff Bushing with Standard Bracket	ISB225
				Standoff Bushing with Stainless Steel Bracket	ISB225S
Insulated Standoff Bushing 	500-66 S500-22-1	Isolates and sectionalizes energized cable in pad-mounted cabinets, underground vaults, and other apparatus	The insulated Standoff Bushing shall be designed to install in the parking stand mounted on a transformer or other apparatus. It shall meet the requirements of IEEE Std 386™ standard. It shall also provide a single loadbreak interface made of high quality insulating EPDM rubber.	200 A, 35kV (w/standard bracket)	ISB235
15 kV Class Fused Loadbreak Elbow Connector	500-110 S500-110-1	Protects underground distribution systems	Fused elbow assembly shall provide full-range current-carrying capability, and limit current and energy let-through to the system when operating due to a primary fault. Shall be made of high quality insulating EPDM rubber.	200 A, 15 kV	LFEP215TFEC---AT <b>Note:</b> For fuse to go 240-97
25 kV Class Fused Loadbreak Elbow Connector	500-111 S500-110-1	Protects underground distribution systems	Fused elbow assembly shall provide full-range current-carrying capability, and limit current and energy let-through to the system when operating due to a primary fault. Shall be made of high quality insulating EPDM rubber.	200 A, 25 kV	LFEP225TFEC---AT <b>Note:</b> For fuse to go 240-97

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
<b>DEADBREAK CONNECTOR, 200 A</b>					
Deadbreak Elbow Connector 	550-10 S550-10-1	Deadbreak Elbow Connector is a fully-shielded and insulated plug-in termination for connecting underground cable to transformers, switching cabinets and junctions equipped with deadbreak bushings.	The Deadbreak Elbow Connector shall be fully-shielded and insulated for use in deadbreak applications. The Deadbreak Elbow Connector shall accept a wider range of cable diameter for a given elbow size.	200 A, 15 & 25 kV	DE225 - - T
Deadbreak Straight Connector 	550-12 S550-12-1	Deadbreak Straight Connector is a fully-shielded and insulated plug-in termination for connecting underground cable to transformers, switching cabinets and junctions equipped with deadbreak bushings.	The Deadbreak Straight Connector shall be fully-shielded and insulated for use in deadbreak applications. The Deadbreak Straight Connector shall accept a wider range of cable diameter for a given elbow size. It shall also allow mounting to be vertical, horizontal, or any angle in between.	200 A, 15 & 25 kV	DS225 - - T
<b>DEADBREAK CONNECTORS</b>					
BOL-T Connector 	600-30 S600-10-2	Fully-shielded/insulated separable termination for three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings.	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE 386™ standard. The connectors and associated cable components shall be interchangeable with those currently available from other major manufacturers.	<b>600 A 15 &amp; 25 kV Bol-T Deadbreak Connector System Without Test Point</b>	
				Aluminum Bol-T Kit with Stud without Test Point	BT625 - - - A1
				Aluminum Bol-T Kit without Stud without Test Point	BT625 - - - A2
				Copper Bol-T Kit with Stud without Test Point	BT625 - - - C1
				Copper Bol-T Kit without Stud without Test Point	BT625 - - - C2
				<b>With Test Point</b>	
				Aluminum Bol-T Kit with Stud with Test Point	BT625 - - - A1T
				Aluminum Bol-T Kit without Stud with Test Point	BT625 - - - A2T
				Copper Bol-T Kit with Stud with Test Point	BT625 - - - C1T
				Copper Bol-T Kit without Stud with Test Point	BT625 - - - C2T

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
BOL-T Connector 	600-50 S600-50-2	Fully-shielded/insulated separable termination for three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets & junctions equipped w/deadbreak bushings.	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE 386™ standard. The connectors and associated cable components shall be interchangeable with those currently available from other major manufacturers.	<b>600 A 35 kV Bol-T Connector System Without Test Point</b>	
				Aluminum Bol-T Kit with Stud without Test Point	BT635 - - - A1
				Aluminum Bol-T Kit without Stud without Test Point	BT635 - - - A2
				Copper Bol-T Kit with Stud without Test Point	BT635 - - - C1
				Copper Bol-T Kit without Stud without Test Point	BT635 - - - C2
				<b>With Test Point</b>	
				Aluminum Bol-T Kit with Stud with Test Point	BT635 - - - A1T
				Aluminum Bol-T Kit without Stud with Test Point	BT635 - - - A2T
				Copper Bol-T Kit with Stud with Test Point	BT635 - - - C1T
				Copper Bol-T Kit without Stud with Test Point	BT635 - - - C2T
BT-TAP Connector System 	600-15 S600-15-3	Used as a retrofit for existing BOL-T (or other bolted systems that use unthreaded compression connectors) systems with a 200 A loadbreak tap for testing, grounding, or overvoltage protection.	The BT-TAP shall be fully shielded, submersible and meet all the requirements of IEEE Std 386™ standard. It shall be capable of providing a 200 A Tap for testing, grounding or overvoltage protection. It can be used for up to 900 A systems when used in conjunction with coppertop compression connectors and copper bushing or junctions.	<b>15 kV BT-TAP Connector System (Aluminum) Without Test Point</b>	
				BT-TAP Kit, 15 kV Aluminum, w/o stud, w/o Test Point, w/o 200 A cap	BTP615 - - - A
				BT-TAP kit, 15 kV Aluminum, w/o stud, w/o Test Point, with 200 A cap	BTP615 - - - AC
				BT-TAP kit, 15 kV Aluminum, with standard length stud, w/o Test Point, w/o 200 A cap	BTP615 - - - AS
				BT-TAP kit, 15 kV Aluminum, with standard length stud, w/o Test Point, with 200 A cap	BTP615 - - - ASC
				BT-TAP kit, 15 kV Aluminum, with extended length stud, w/o Test Point, w/o 200 A cap	BTP615 - - - AL
				BT-TAP kit, 15 kV Aluminum, with extended length stud, w/o Test Point, with 200 A cap	BTP615 - - - ALC
				<b>With Test Point</b>	
				BT-TAP kit, 15 kV Aluminum, w/o stud, with Test Point, w/o 200 A cap	BTP615 - - - AT
				BT-TAP kit, 15 kV Aluminum, w/o stud, with Test Point, with 200 A cap	BTP615 - - - ATC
				BT-TAP Kit, 15 kV Aluminum, with standard length stud, with Test Point, w/o 200A cap	BTP615 - - - AST
				BT-TAP Kit, 15 kV Aluminum, with standard length stud, with Test Point, with 200 A cap	BTP615 - - - ASTC
				BT-TAP Kit, 15 kV Aluminum, with extended length stud, with Test Point, w/o 200 A cap	BTP615 - - - ALT
				BT-TAP Kit, 15 kV Aluminum, with extended length stud, with Test Point, with 200 A cap	BTP615 - - - ALTC

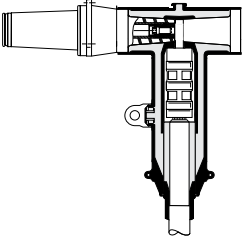
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
BT-TAP Connector System (continued)	600-15 S600-15-3			<b>15 kV BT-TAP Connector System (Copper) Without Test Point</b>	
				BT-TAP Kit, 15 kV Copper, w/o stud, w/o Test Point, w/o 200 A cap	BTP615---C
				BT-TAP Kit, 15 kV Copper, w/o stud, w/o Test Point, with 200 A cap	BTP615---CC
				BT-TAP Kit, 15 kV Copper, with standard length stud, w/o Test Point, w/o 200 A cap	BTP615---CS
				BT-TAP Kit, 15 kV Copper, with standard length stud, w/o Test Point, with 200 A cap	BTP615---CSC
				BT-TAP Kit, 15 kV Copper, with extended length stud, w/o Test Point, w/o 200 A cap	BTP615---CL
				BT-TAP Kit, 15kV Copper, with extended length stud, w/o Test Point with 200 A cap	BTP615---CLC
				<b>With Test Point</b>	
				BT-TAP Kit, 15 kV Copper, w/o stud, with Test Point, w/o 200 A cap	BTP615---CT
				BT-TAP Kit, 15 kV Copper, w/o stud, with Test Point, with 200 A cap	BTP615---CTC
				BT-TAP Kit, 15 kV Copper, with standard length stud, with Test Point, w/o 200 A cap	BTP615---CST
				BT-TAP Kit, 15kV Copper, with standard length stud, with Test Point, with 200A cap	BTP615---CSTC
				BT-TAP Kit, 15kV Copper, with extended length stud, with Test Point, w/o 200A cap	BTP615---CLT
				BT-TAP Kit, 15kV Copper, with extended length stud, with Test Point, with 200A cap	BTP615---CLTL
				<b>15kV BLRTP (Aluminum)</b>	
				BLRTP, 15kV, Aluminum, w/o stud, individually bagged	BLRTP615A
				BLRTP, 15kV, Aluminum, with standard length stud, individually bagged	BLRTP615AS
				BLRTP, 15kV, Aluminum, with permanent standard length stud, individually bagged	BLRTP615ASP
				BLRTP, 15kV, Aluminum, with extended length stud, individually bagged	BLRTP615AL
				BLRTP, 15kV, Aluminum, with permanent extended length stud, individually bagged	BLRTP615ALP
				BLRTP, 15kV, Aluminum, w/o stud, individual cartons	BLRTP615AX
				BLRTP, 15kV, Aluminum, with standard length stud, individual cartons	BLRTP615ASX

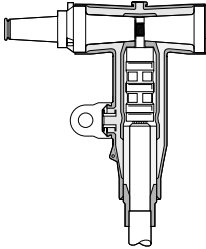
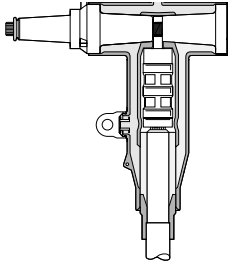
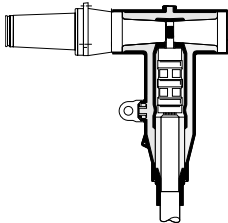
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
BT-TAP Connector System (continued)	600-15 S600-15-3			BLRTP, 15kV, Aluminum, with permanent standard length stud, individual cartons	BLRTP615ASPX
				BLRTP, 15kV, Aluminum, with extended length stud, individual cartons	BLRTP615ALX
				BLRTP, 15kV, Aluminum, with permanent extended length stud, individual cartons	BLRTP615ALPX
				<b>15kV BLRTP (Copper)</b>	
				BLRTP, 15kV, Copper, w/o stud, individually bagged	BLRTP615C
				BLRTP, 15kV, Copper, with standard length stud, individually bagged	BLRTP615CS
				BLRTP, 15kV, Copper, with permanent standard length stud, individually bagged	BLRTP615CSP
				BLRTP, 15 kV, Copper, with extended length stud, individually bagged	BLRTP615CL
				BLRTP, 15 kV, Copper, with permanent extended length stud, individually bagged	BLRTP615CLP
				BLRTP, 15 kV, Copper, w/o stud, individual cartons	BLRTP615CX
				BLRTP, 15 kV, Copper, with standard length stud, individual cartons	BLRTP615CSX
				BLRTP, 15 kV, Copper, with permanent standard length stud, individual cartons	BLRTP615CSPX
				BLRTP, 15 kV, Copper, with extended length stud, individual cartons	BLRT615CLX
				BLRTP, 15 kV, Copper, with permanent extended length stud, individual cartons	BLRTP615CLPX

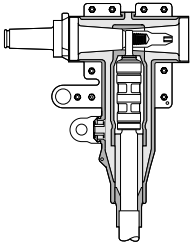
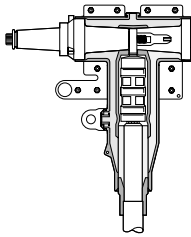
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
BT-TAP Connector System 	600-35 S600-35-1	Used as a retrofit for existing BOL-T (or other bolted systems that use unthreaded compression connectors) systems with a 200 A loadbreak tap for testing, grounding, or overvoltage protection.	The BT-TAP shall be fully shielded, submersible and meet all the requirements of IEEE 386™ standard. It shall be capable of providing a 200 A Tap for testing, grounding, or overvoltage protection. It can be used for up to 900 A systems when used in conjunction with coppertop compression connectors and copper bushing or junctions.	<b>25 kV BT-TAP Connector System (Aluminum) Without Test Point</b>	
				BT-TAP kit, 25 kV Aluminum, w/o stud, w/o Test Point, w/o 200 A cap	BTP625 - - - A
				BT-TAP kit, 25 kV Aluminum, w/o stud, w/o Test Point, with 200 A cap	BTP625 - - - AC
				BT-TAP kit, 25 kV Aluminum, with standard length stud, w/o Test Point, w/o 200 A cap	BTP625 - - - AS
				BT-TAP kit, 25 kV Aluminum, with standard length stud, w/o Test Point, with 200 A cap	BTP625 - - - ASC
				BT-TAP kit, 25 kV Aluminum, with extended length stud, w/o Test Point, w/o 200 A cap	BTP625 - - - AL
				BT-TAP kit, 25 kV Aluminum, with extended length stud, w/o Test Point, w/o 200 A cap	BTP625 - - - ALC
				<b>With Test Point</b>	
				BT-TAP kit, 25 kV Aluminum, w/o stud, with Test Point, w/o 200 A cap	BTP625 - - - AT
				BT-TAP kit, 25 kV Aluminum, w/o stud, with Test Point, with 200 A cap	BTP625 - - - ATC
				BT-TAP kit, 25 kV Aluminum, with standard length stud, with Test Point, w/o 200 A cap	BTP625 - - - AST
				BT-TAP kit, 25 kV Aluminum, with standard length stud, with Test Point, with 200 A cap	BTP625 - - - ASTC
				BT-TAP kit, 25 kV Aluminum, with extended length stud, with Test Point, w/o 200 A cap	BTP625 - - - ALT
				BT-TAP kit, 25 kV Aluminum, with extended length stud, with Test Point, with 200 A cap	BTP625---ALTC
				<b>25 kV BT-TAP Connector System (Copper) Internal Rotating Nut Version Without Test Point</b>	
				BT-TAP kit, 25 kV Copper, w/o stud, w/o Test Point, w/o 200 A cap	BTP625---C

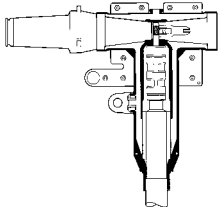
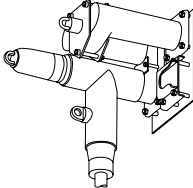
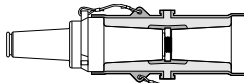


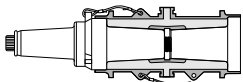
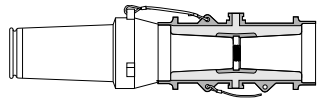
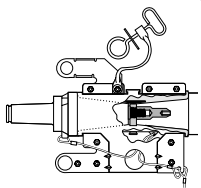
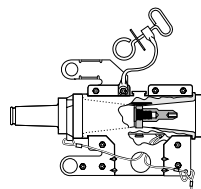
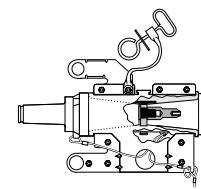
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
BT-TAP Connector System (continued)	600-35 S600-35-1			BT-TAP kit, 25 kV Copper, w/o stud, w/o Test Point, with 200 A cap	BTP625---CC
				BT-TAP kit, 25 kV Copper, with standard length stud, w/o Test Point, w/o 200 A cap	BTP625---CS
				BT-TAP kit, 25 kV Copper, with standard length stud, w/o Test Point, with 200 A cap	BTP625---CSC
				BT-TAP kit, 25 kV Copper, with extended length stud, w/o Test Point, w/o 200 A cap	BTP625---CL
				BT-TAP kit, 25 kV Copper, with extended length stud, w/o Test Point, with 200 A cap	BTP625---CLC
				<b>With Test Point</b>	
				BT-TAP kit, 25 kV Copper, w/o stud, with Test Point, w/o 200 A cap	BTP625---CT
				BT-TAP kit, 25 kV Copper, w/o stud, with Test Point, with 200 A cap	BTP625---CTC
				BT-TAP kit, 25 kV Copper, with standard length stud, with Test Point, w/o 200 A cap	BTP625---CST
				BT-TAP kit, 25 kV Copper, with standard length stud, with Test Point, with 200 A cap	BTP625---CSTC
				BT-TAP kit, 25 kV Copper, with extended length stud, with Test Point, w/o 200 A cap	BTP625---CLT
				BT-TAP kit, 25 kV Copper, with extended length stud, with Test Point, with 200 A cap	BTP625---CLTC
				<b>25 kV BLRTP (Aluminum)</b>	
				BLRTP, 25 kV, Aluminum, w/o stud, individually bagged	BLRTP625A
				BLRTP, 25 kV, Aluminum, with standard length stud, individually bagged	BLRTP625AS
				BLRTP, 25 kV, Aluminum, with permanent standard length stud, individually bagged	BLRTP625ASP
				BLRTP, 25 kV, Aluminum, with extended length stud, individually bagged	BLRTP625AL
				BLRTP, 25 kV, Aluminum, with permanent extended length stud, individually bagged	BLRTP625ALP
				BLRTP, 25 kV, Aluminum, w/o stud, individual cartons	BLRTP625AX
				BLRTP, 25 kV, Aluminum, with standard length stud, individual cartons	BLRTP625ASX
				BLRTP, 25 kV, Aluminum, with permanent standard length stud, individual cartons	BLRTP625ASPX
				BLRTP, 25 kV, Aluminum, with extended length stud, individual cartons	BLRTP625ALX
				BLRTP, 25 kV, Aluminum, with extended length stud, individual carton	BLRTP625ALPX

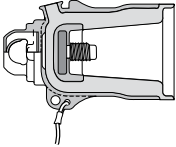
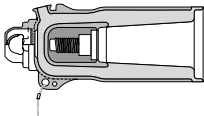
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
BT-TAP Connector System  	600-55 S600-55-1	Used as a retrofit for existing BOL-T (or other bolted systems that use unthreaded compression connectors) systems with a 200 A loadbreak tap for testing, grounding, or overvoltage protection.	The BT-TAP shall be fully shielded, submersible and meet all the requirements of IEEE Std 386™ standard. It shall be capable of providing a 200 A. Tap for testing, grounding, or overvoltage protection. It can be used for up to 900 A systems when used in conjunction with coppertop compression connectors and copper bushing or junctions.	<b>35 kV BT-TAP Connector System (Aluminum) Internal Rotating Nut Version Without Test Point</b>	
				BT-TAP kit, 35 kV Aluminum, with extended length stud, w/o Test Point, w/o 200A cap	BTP635 - - - A
				BT-TAP kit, 35 kV Aluminum, with extended length stud, w/o Test Point, with 200A cap	BTP635 - - - AC
				<b>With Test Point</b>	
				BT-TAP kit, 35 kV Aluminum, with extended length stud, with Test Point, w/o 200A cap	BTP635 - - - AT
				BT-TAP kit, 35 kV Aluminum, with extended length stud, with Test Point, with 200A cap	BTP635 - - - ATC
				<b>35 kV BT-TAP Connector System (Copper) Internal Rotating Nut Version Without Test Point</b>	
				BT-TAP kit, 35 kV Copper, with extended length stud, w/o Test Point, w/o 200A cap	BTP635 - - - C
				BT-TAP kit, 35 kV Copper, with extended length stud, w/o Test Point, with 200A cap	BTP635 - - - CC
				<b>With Test Point</b>	
				BT-TAP kit, 35 kV Copper, with extended length stud, with Test Point, w/o 200A cap	BTP635 - - - CT
				BT-TAP kit, 35 kV Copper, with extended length stud, with Test Point, with 200A cap	BTP635 - - - CTC
				<b>35kV BLRTP (Copper) Internal Rotating Nut Version</b>	
				BLRTP, 35 kV, Copper, with extended length stud, individual cartons.	BLRTP635

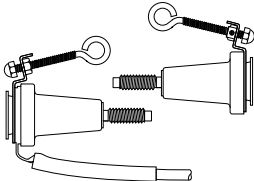
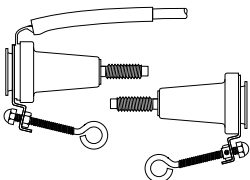
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
T-OP II Connector 	600-12 S600-12-2	Fully-shielded/insulated separable term. For three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings. Includes 200 A three-phase rated loadbreak interface for live test, visible ground and break.	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The connectors and associated cable components shall be interchangeable with those currently available from other major manufacturers.	<b>600 A 15 kV T-OP II Connector System Without Test Point</b>	
				Copper T-OP II Kit without Test Point without 200 A Cap	TP615 - - -
				Copper T-OP II Kit without Test Point with 200 A Cap	TP615 - - -C
				<b>With Test Point</b>	
				Copper T-OP II Kit with Test Point without 200 A Cap	TP615 - - -T
				Copper T-OP II Kit with Test Point with 200 A Cap	TP615 - - -TC
				Loadbreak Reducing Tap Plug (Individually Bagged)	LRTP615
T-OP II Connector 	600-32 S600-12-2	Fully-shielded/insulated separable term. For three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings. Includes 200 A three-phase rated loadbreak interface for live test, visible ground and break.	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The connectors and associated cable components shall be interchangeable with those currently available from other major manufacturers.	<b>600 A 25 kV T-OP II Connector System Without Test Point</b>	
				Copper T-OP II Kit without Test Point without 200 A Cap	TP625- - -
				Copper T-OP II Kit without Test Point with 200 A POSI-BREAK Cap	TP625- - -C
				<b>With Test Point</b>	
				Copper T-OP II Kit with Test Point without 200 A Cap	TP625 - - -T
				Copper T-OP II Kit with Test Point with 200 A POSI-BREAK Cap	TP625 - - -TC
				Loadbreak Reducing Tap Plug (Individually Boxed)	LRTP625
T-OP II Connector 	600-52 S600-52-1	Fully-shielded/insulated separable term. For three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings. Includes 200 A three-phase rated loadbreak interface for live test, visible ground and break.	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The connectors and associated cable components shall be interchangeable with those currently available from other major manufacturers.	<b>600 A 35 kV T-OP II Connector System Without Test Point</b>	
				Copper T-OP II Kit without Test Point without 200 A Cap	TP635 - - -
				Copper T-OP II Kit without Test Point with 200 A Cap	TP635 - - - C
				<b>With Test Point</b>	
				Copper T-OP II Kit with Test Point without 200 A Cap	TP635 - - - T
				Copper T-OP II Kit with Test Point with 200 A Cap	TP635 - - - TC
				Load Reducing Tap Plug	LRTP635

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
PUSH-OP Connector 	600-13 S600-13-1	Fully-shielded/insulated separable term. For three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings. Includes totally threadless 600 A deadbreak interface and a 200 A three-phase rated loadbreak interface	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The 600A connector shall provide a totally threadless, DB, hotstick operable connection system. A 200 A LB connector shall also be provided	<b>600 A 15 kV PUSH-OP Connector System Without Test Point</b>	
				Copper PUSH-OP Kit without Test Point without 200 A Cap	POP615 - - -
				Copper PUSH-OP Kit without Test Point with 200 A Cap	POP615 - - -C
				<b>With Test Point</b>	
				Copper PUSH-OP Kit with Test Point without 200 A Cap	POP615 - - -T
PUSH-OP Connector 	600-33 S600-13-1	Fully-shielded/insulated separable term. For three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings. Includes totally threadless 600 A deadbreak interface and a 200 A three-phase rated loadbreak interface	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The 600 A connector shall provide a totally threadless, DB, hotstick operable connection system. A 200 A LB connector shall also be provided	<b>600 A 25 kV PUSH-OP Connector System Without Test Point</b>	
				Copper PUSH-OP Kit without Test Point without 200 A Cap	POP625 - - -
				Copper PUSH-OP Kit without Test Point with 200 A POSI-BREAK Cap	POP625 - - -C
				<b>With Test Point</b>	
				Copper PUSH-OP Kit with Test Point without 200 A Cap	POP625 - - -T
				Copper PUSH-OP Kit with Test Point with 200 A POSI-BREAK Cap	POP625 - - -TC

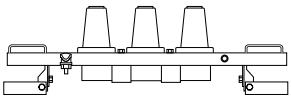
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
<p>PUSH-OP Connector</p> 	600-53 S600-53-1	Fully-shielded/insulated separable termination. For three-phase shielded, insulated, deadfront connection of URG cable to transformers, switching cabinets and junctions equipped w/ deadbreak bushings. Includes totally threadless 600A deadbreak interface and a 200 A three-phase rated loadbreak interface	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The 600 A connector shall provide a totally threadless, DB, hotstick operable connection system. A 200 A loadbreak connector shall also be provided	600 A 35 kV PUSH-OP Connector System Without Test Point	
				Copper PUSH-OP Kit without Test Point without 200 A Cap	POP635 - - -
				Copper PUSH-OP Kit without Test Point with 200 A Cap	POP635 - - - C
				With Test Point	
				Copper PUSH-OP Kit with Test Point without 200 A Cap	POP635 - - - T
				Copper PUSH-OP Kit with Test Point with 200 A Cap	POP635 - - - TC
<p>U-OP Connector</p> 	600-34 S600-14-1	Fully-shielded/insulated separable termination. For three-phase shielded, insulated, deadfront connection. Used to provide visible break and capability for visible ground @ transformers, switching cabinets & junctions while performing repairs on URG cable or while used as a splice	The Deadbreak connector shall conform to the electrical, mechanical and dimensional requirements of IEEE Std 386™ standard. The 600 A connector shall provide a visible break and the capability for visible ground without the need to move 600 A cable.	600 A, 15&25 kV	U-OP Connector (Aluminum): UOP625
<p>Loadbreak Reducing Tap Plug and Bushing Adapter for T-OP II Connector System</p> 	600-18 S600-18-1	Converts a standard 600 A deadbreak interface to a standard 200 A loadbreak interface allowing for safe testing and grounding.	The Bushing Adapter shall convert a standard 600 A deadbreak interface to a standard 200 A loadbreak interface. It shall also meet all the requirements for IEEE Std 386™ standard and is 200 A three-phase switching and three-phase fault close rated.	600 A/200 A Bushing Adapter with LRTP (Stud-T Included)	DBA615
				Bushing Extender	DBE625
				Bushing Extender with Aluminum Stud	DBE625SA
				Bushing Extender with Copper Stud	DBE625SC
				Loadbreak Reducing Tap Plug (Individually Bagged)	LRTP615

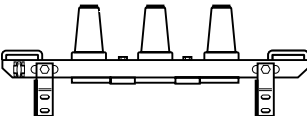
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Loadbreak Reducing Tap Plug and Bushing Adapter for T-OP II Connector System 	600-38 S600-18-1	Converts a standard 600 A deadbreak interface to a standard 200 A loadbreak interface allowing for safe testing and grounding.	The Bushing Adapter shall convert a standard 600 A deadbreak interface to a standard 200 A loadbreak interface. It shall also meet all the requirements for IEEE Std 386™ standard and is 200 A three-phase switching and three-phase fault close rated.	600 A/200 A Bushing Adapter with LRTP (Stud-T Included)	DBA625
				Bushing Extender	DBE625
				Bushing Extender with Aluminum Stud	DBE625SA
				Bushing Extender with Copper Stud	DBE625SC
				Loadbreak Reducing Tap Plug (Individually Boxed)	LRTP625
Loadbreak Reducing Tap Plug and Bushing Adapter 	600-59 S600-59-1 S600-59-2	Converts a standard 600 A deadbreak interface to a standard 200 A loadbreak interface allowing for safe testing and grounding.	The Bushing Adapter shall convert a standard 600 A deadbreak interface to a standard 200 A loadbreak interface. It shall also meet all the requirements for IEEE Std 386™ standard and is 200 A three-phase switching and three-phase fault close rated.	600 A/200 A Bushing Adapter with LRTP	DBA635
				Bushing Extender	DBE635
				Bushing Extender with Aluminum Stud (STUD635-A)	DBE635SA
				Bushing Extender with Copper Stud (STUD635-C)	DBE635SC
				Load Reducing Tap Plug	LRTP635
PUSH-OP Insulated Adapter Cap 	600-19 S600-19-1	Used to cap a 600 A PUSH-OP type bushing tap interface with the 200 A loadbreak interface allowing for live testing and visible grounding.	The PUSH-OP Insulated Adapter Cap shall meet all the requirements of IEEE Std 386™ standard and be able to cap a 600 A PUSH-OP type bushing tap interface.	<b>600 A, 15 kV</b>	
				600 A/200 A Bushing Adapter for PUSH-OP without 200 A Cap	PDBA615
				600 A/200 A Bushing Adapter for PUSH-OP with 200 A Cap	PDBA615C
PUSH-OP Insulated Adapter Cap 	600-39 S600-39-1	Used to cap a 600 A PUSH-OP type bushing tap interface with the 200 A loadbreak interface allowing for live testing and visible grounding.	The PUSH-OP Insulated Adapter Cap shall meet all the requirements of IEEE Std 386™ standard and be able to cap a 600 A PUSH-OP type bushing tap interface.	<b>600 A, 25 kV</b>	
				600 A/200 A Bushing Adapter for PUSH-OP without 200 A Cap	PDBA625
				600 A/200 A Bushing Adapter for PUSH-OP with 200 A POSI-BREAK Cap	PDBA625C
PUSH-OP Insulated Adapter Cap 	600-58 S600-19-1	Used to cap a 600 A PUSH-OP type bushing tap interface with the 200 A loadbreak interface allowing for live testing and visible grounding.	The PUSH-OP Insulated Adapter Cap shall meet all the requirements of IEEE Std 386™ standard and be able to cap a 600 A PUSH-OP type bushing tap interface.	<b>600 A, 35 kV</b>	
				600 A/200 A Bushing Adapter for PUSH-OP without 200 A Cap	PDBA635
				600 A/200 A Bushing Adapter for PUSH-OP with 200 A Cap	PDBA635C

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Insulated Protective Cap 	600-43 S600-23-1	Provides insulated, fully shielded submersible protection for energized 15 and 25 kV deadbreak bushings, junctions and other accessories having interfaces that conform to IEEE Std 386™ standard.	The Insulated Protective Cap shall meet the full requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems.	<b>15/25 kV, 600 A</b>	
				Standard Protective Cap with Drain Wire with Permanent Stud (Individually Bagged - Bulk Boxed)	DPC625
				Standard Protective Cap with Drain Wire with Permanent Stud (Individually Boxed)	DPC625X
				Protective Cap for T-OP II and U-OP Applications with Drain Wire, without Stud (Individually Bagged - Bulk Boxed)	DPC625UT
				Protective Cap for T-OP II and U-OP Applications with Drain Wire, without Stud (Individually Boxed)	DPC625UTX
Insulated Protective Cap 	600-63 S600-23-1	Provides insulated, fully shielded submersible protection for energized 35 kV deadbreak bushings, junctions and other accessories having interfaces that conform to IEEE Std 386™ standard.	The Insulated Protective Cap shall meet the full requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems.	<b>35 kV, 600 A</b>	
				Standard Protective Cap with Drain Wire with Permanent Stud (Individually Bagged - Bulk Boxed)	DPC635
				Standard Protective Cap with Drain Wire with Permanent Stud (Individually Boxed)	DPC635X
				Protective Cap for T-OP II and U-OP Applications with Drain Wire, without Stud (Individually Bagged - Bulk Boxed)	DPC635UT
				Protective Cap for T-OP II and U-OP Applications with Drain Wire, without Stud (Individually Boxed)	DPC635UTX



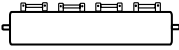




Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Standoff Bushing 	600-44 600-44C (28 kV Canadian) S600-24-1	Isolated and sectionalizes energized cable in pad-mounted cabinets, underground vaults, and other apparatus	The Insulated Standoff Bushing shall be designed to install in the parking stand mounted on a transformer or other apparatus. It shall meet the requirements of IEEE Std 386™ standard. It shall also provide a single deadbreak interface made of high quality insulating EPDM rubber.	<b>15/25 kV, 600 A</b>	
				Aluminum Insulated Standoff Bushing	ISB625A
				Aluminum Insulated Standoff Bushing with T-OP II Stud	ISB625AST
				Aluminum Insulated Standoff Bushing with Aluminum Stud	ISB625ASA
				Aluminum Insulated Standoff Bushing with U-OP Stud	ISB625ASU
				Aluminum Insulated Standoff Bushing with Copper Stud	ISB625ASC
				Copper Insulated Standoff Bushing	ISB625C
				Copper Insulated Standoff Bushing with T-OP II Stud	ISB625CST
				Copper Insulated Standoff Bushing with U-OP Stud	ISB625CSU
				Copper Insulated Standoff Bushing with Copper Stud	ISB625CSC
				Copper Grounded Standoff Bushing	GSB625C
				Copper Grounded Standoff Bushing with T-OP II Stud	GSB625CST
				Copper Grounded Standoff Bushing with U-OP Stud	GSB625CSU
				Copper Grounded Standoff Bushing with Copper Stud	GSB625CSC
Standoff Bushing 	600-64 S600-24-1	Isolated and sectionalizes energized cable in pad-mounted cabinets, underground vaults, and other apparatus	The Insulated Standoff Bushing shall be designed to install in the parking stand mounted on a transformer or other apparatus. It shall meet the requirements of IEEE Std 386™ standard. It shall also provide a single deadbreak interface made of high quality insulating EPDM rubber.	<b>35 kV, 600 A</b>	
				Aluminum Insulated Standoff Bushing	ISB635A
				Aluminum Insulated Standoff Bushing with T-OP II Stud	ISB635AST
				Aluminum Insulated Standoff Bushing with Aluminum Stud	ISB635ASA
				Aluminum Insulated Standoff Bushing with Copper Stud	ISB635ASC
				Copper Insulated Standoff Bushing	ISB635C
				Copper Insulated Standoff Bushing with T-OP II Stud	ISB635CST
				Copper Insulated Standoff Bushing with Copper Stud	ISB635CSC
				Aluminum Grounded Standoff Bushing	GSB635A
				Aluminum Grounded Standoff Bushing with T-OP II Stud	GSB635AST
				Aluminum Grounded Standoff Bushing with Copper Stud	GSB635ASC
				Aluminum Grounded Standoff Bushing with Aluminum Stud	GSB635ASA




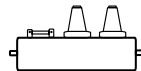
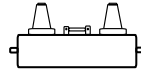
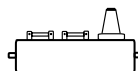


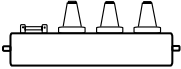
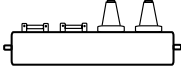
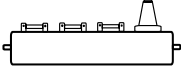
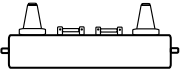

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Junction 	600-42 600-42C (28 kV Canadian) S600-22-1	Used in pad-mounted apparatus, underground vaults, and other apparatus to sectionalize, establish loops, taps and splices, and to facilitate apparatus changeouts.	The junction shall provide two, three or four deadbreak interfaces that are internally bused together and meet all requirements of IEEE 386™ standard - Separable Insulated Connector Systems. The junction shall also have a solid current path of all copper or aluminum.	<b>15/25 kV, 600 A</b>	
				Aluminum 2-Way Junction Only	DJ625A2
				Aluminum 2-Way Junction with U-Straps	DJ625A2U
				Aluminum 2-Way Junction with Stainless Steel Bracket	DJ625A2B
				Aluminum 3-Way Junction Only	DJ625A3
				Aluminum 3-Way Junction with U-Straps	DJ625A3U
				Aluminum 3-Way Junction with Stainless Steel Bracket	DJ625A3B
				Aluminum 4-Way Junction Only	DJ625A4
				Aluminum 4-Way Junction with U-Straps	DJ625A4U
				Aluminum 4-Way Junction with Stainless Steel Bracket	DJ625A4B
				Copper 2-Way Junction Only	DJ625C2
				Copper 2-Way Junction with U-Straps	DJ625C2U
				Copper 2-Way Junction with Stainless Steel Bracket	DJ625C2B
				Copper 3-Way Junction Only	DJ625C3
				Copper 3-Way Junction with U-Straps	DJ625C3U
				Copper 3-Way Junction with Stainless Steel Bracket	DJ625C3B
				Copper 4-Way Junction Only	DJ625C4
				Copper 4-Way Junction with U-Straps	DJ625C4U
				Copper 4-Way Junction with Stainless Steel Bracket	DJ625C4B

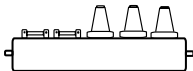
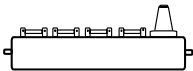
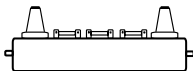
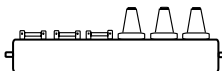

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Junction  	600-62 S600-22-1	Used in pad-mounted apparatus, underground vaults, and other apparatus to sectionalize, establish loops, taps and splices, and to facilitate apparatus changeouts.	The junction shall provide two, three or four deadbreak interfaces that are internally bused together and meet all requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems. The junction shall also have a solid current path of all copper or aluminum.	<b>35 kV, 600 A</b>	
				Aluminum 2-Way Junction Only	DJ635A2
				Aluminum 2-Way Junction with U-Straps	DJ635A2U
				Aluminum 2-Way Junction with Stainless Steel Bracket	DJ635A2B
				Aluminum 3-Way Junction Only	DJ635A3
				Aluminum 3-Way Junction with U-Straps	DJ635A3U
				Aluminum 3-Way Junction with Stainless Steel Bracket	DJ635A3B
				Aluminum 4-Way Junction Only	DJ635A4
				Aluminum 4-Way Junction with U-Straps	DJ635A4U
				Aluminum 4-Way Junction with Stainless Steel Bracket	DJ635A4B
				Copper 2-Way Junction Only	DJ635C2
				Copper 2-Way Junction with U-Straps	DJ635C2U
				Copper 2-Way Junction with Stainless Steel Bracket	DJ635C2B
				Copper 3-Way Junction Only	DJ635C3
				Copper 3-Way Junction with U-Straps	DJ635C3U
				Copper 3-Way Junction with Stainless Steel Bracket	DJ635C3B
				Copper 4-Way Junction Only	DJ635C4
				Copper 4-Way Junction with U-Straps	DJ635C4U
				Copper 4-Way Junction with Stainless Steel Bracket	DJ635C4B


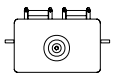
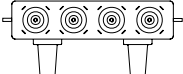

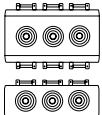
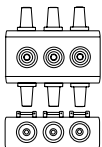
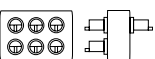
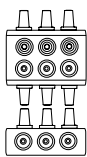
# Loadbreak/Deadbreak Connectors

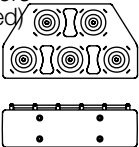
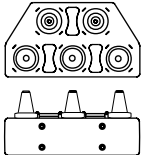
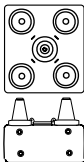
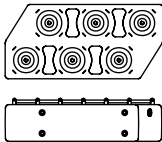
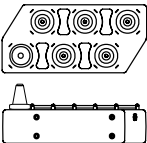
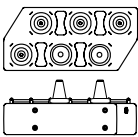
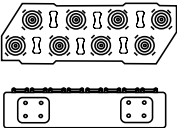
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors 	650-10	Multi-Tap junction bars for use where 200 A wells and 600/900 A bushings are needed for vault or apparatus applications for looping, tapping and sectionalizing applications.	The junction bars shall provide 15, 25, and 35 kV, 200 A, and 600/900 A connections which meet all requirements of IEEE Std 386™ standard.	<b>15/25 KV CLASS IN-LINE JUNCTION BARS</b>	
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, Std. Brkt.	JB125C2W
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, Parking Stand Brkt.	JB125C2WPS
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, U-straps	JB125C2WU
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, Std. Brkt.	JB125C3W
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, Parking Stand Brkt.	JB125C3WPS
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, U-Straps	JB125C3WU
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 200 A Wells, Std. Brkt.	JB125C4W
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 200 A Wells, Parking Stand Brkt.	JB125C4WPS
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 200 A Wells, U-straps	JB125C4WU
				Junction Bar, In-Line, Cu, 15/25 kV, (5) 200 A Wells, Std. Brkt.	JB125C5W
				Junction Bar, In-Line, Cu, 15/25 kV, (5) 200 A Wells, Parking Stand Brkt.	JB125C5WPS
				Junction Bar, In-Line, Cu, 15/25 kV, (5) 200 A Wells, U-straps	JB125C5WU
				Junction Bar, In-Line, Cu, 15/25 kV, (6) 200 A Wells, Std. Brkt.	JB125C6W
				Junction Bar, In-Line, Cu, 15/25 kV, (6) 200 A Wells, Parking Stand Brkt.	JB125C6WPS
				Junction Bar, In-Line, Cu, 15/25 kV, (6) 200 A Wells, U-straps	JB125C6WU
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 600 A Bushings, Std. Brkt.	JB125C2B
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 600 A Bushings, Parking Stand Brkt.	JB125C2BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 600 A Bushings, U-straps	JB125C2BU
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 600 A Bushings, Std. Brkt.	JB125C3B
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 600 A Bushings, Parking Stand Brkt.	JB125C3BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 600 A Bushings, U-straps	JB125C3BU

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, In-Line, Cu, 15/25 kV, (4) 600 A Bushings, Std. Brkt.	JB125C4B
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 600 A Bushings, Parking Stand Brkt.	JB125C4BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 600 A Bushings, U-straps	JB125C4BU
				Junction Bar, In-Line, Cu, 15/25 kV, (5) 600 A Bushings, Std. Brkt.	JB125C5B
				Junction Bar, In-Line, Cu, 15/25 kV, (5) 600 A Bushings, Parking Stand Brkt.	JB125C5BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (5) 600 A Bushings, U-straps	JB125C5BU
				Junction Bar, In-Line, Cu, 15/25 kV, (6) 600 A Bushings, Std. Brkt.	JB125C6B
				Junction Bar, In-Line, Cu, 15/25 kV, (6) 600 A Bushings, Parking Stand Brkt.	JB125C6BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (6) 600 A Bushings, U-straps	JB125C6BU
15/25 KV CLASS IN-LINE COMBINATION JUNCTIONS					
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (2) 600 A Bushings, Std. Brkt.	JB125C1W2B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (2) 600 A Bushings, Parking Stand Brkt.	JB125C1W2BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (2) 600 A Bushings, U-straps	JB125C1W2BU
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (1) 200 A Well, (1) 600 A Bushing, Std. Brkt.	JB125C1B1W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (1) 200 A Well, (1) 600 A Bushing, P.S. Brkt.	JB125C1B1W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (1) 200 A Well, (1) 600 A Bushing, U-straps	JB125C1B1W1BU
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB125C2W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (1) 600 A Bushing, Parking Stand Brkt.	JB125C2W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (1) 600 A Bushing, U-straps	JB125C2W1BU


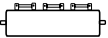

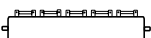
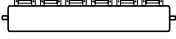


Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (3) 600 A Bushings, Std. Brkt	JB125C1W3B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (3) 600 A Bushings, Parking Stand Brkt.	JB125C1W3BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (3) 600 A Bushings, U-straps	JB125C1W3BU
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (2) 600 A Bushings, Std. Brkt.	JB125C2W2B
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (2) 600 A Bushings, Parking Stand Brkt.	JB125C2W2BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (2) 600 A Bushings, U-straps	JB125C2W2BU
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB125C3W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, (1) 600 A Bushing, Parking Stand Brkt.	JB125C3W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, (1) 600 A Bushing, U-straps	JB125C3W1BU
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (2) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB125C1B2W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (2) 200 A Wells, (1) 600 A Bushing, P.S. Brkt.	JB125C1B2W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (2) 200 A Wells, (1) 600 A Bushing, U-straps	JB125C1B2W1BU
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (4) 600 A Bushings, Std. Brkt.	JB125C1W4B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (4) 600 A Bushings, Parking Stand Brkt.	JB125C1W4BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 200 A Well, (4) 600 A Bushings, U-straps	JB125C1W4BU

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (3) 600 A Bushings, Std. Brkt.	JB125C2W3B
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (3) 600 A Bushings, Parking Stand Brkt.	JB125C2W3BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (2) 200 A Wells, (3) 600 A Bushings, U-straps	JB125C2W3BU
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB125C4W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 200 A Wells, (1) 600 A Bushing, Parking Stand Brkt.	JB125C4W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (4) 200 A Wells, (1) 600 A Bushing, U-straps	JB125C4W1BU
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (3) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB125C1B3W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (3) 200 A Wells, (1) 600 A Bushing, P.S. Brkt.	JB125C1B3W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (3) 200 A Wells, (1) 600 A Bushing, U-straps	JB125C1B3W1BU
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, (3) 600 A Bushings, Std. Brkt.	JB125C3W3B
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, (3) 600 A Bushings, Parking Stand Brkt	JB125C3W3BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (3) 200 A Wells, (3) 600 A Bushings, U-straps	JB125C3W3BU
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (4) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB125C1B4W1B
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (4) 200 A Wells, (1) 600 A Bushing, P.S. Brkt.	JB125C1B4W1BPS
				Junction Bar, In-Line, Cu, 15/25 kV, (1) 600 A Bushing, (4) 200 A Wells, (1) 600 A Bushing, U-straps	JB125C1B4W1BU



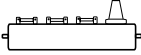



Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued)	650-10			<b>15/25 KV CLASS, L SPLICES</b>	
 				Junction Bar, L-Splice, Cu, 15/25 kV, (2) 200 A Wells, (1) 200 A Well, Std. Brkt.	JBL25C2W1W
				Junction Bar, L-Splice, Cu, 15/25 kV, (2) 200 A Wells, (1) 200 A Well, Parking Stand Brkt.	JBL25C2W1WPS
				Junction Bar, L-Splice, Cu, 15/25 kV, (2) 200 A Wells, (1) 200 A Well, U-straps	JBL25C2W1WU
 				Junction Bar, L-Splice, Cu, 15/25 kV, (4) 200 A Wells, (2) 600 A Bushings, Std. Brkt.	JBL25C4W2B
				Junction Bar, L-Splice, Cu, 15/25 kV, (4) 200 A Wells, (2) 600 A Bushings, Parking Stand Brkt.	JBL25C4W2BPS
				Junction Bar, L-Splice, Cu, 15/25 kV, (4) 200 A Wells, (2) 600 A Bushings, U-straps	JBL25C4W2BU
<b>15/25 KV CLASS, Y SPLICES — 3-PHASE</b>					
				Junction Bar, Y-Splice, Cu, 3ph, 15/25 kV, (3) 200 A Wells Per Phase, Std. Brkt.	JBY325C3W
				Junction Bar, Y-Splice, Cu, 3ph, 15/25 kV, (1) 200 A Well, (2) 600 A Bushings Per Phase, Std. Brkt.	JBY325C1W2B
				Junction Bar, Y-Splice, Cu, 3ph, 15/25 kV, (3) 600 A Straight Bushings Per Phase, Std. Brkt.	JBY325C3S
				Junction Bar, Y-Splice, Cu, 3ph, 15/25 kV, (1) 200 A Well, (3) 600 A Bushings Per Phase, Std. Brkt.	JBY325C1W3B

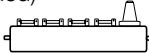
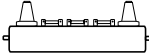

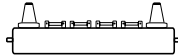
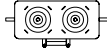
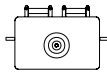
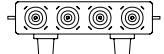
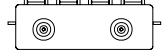
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			<b>15/25 KV CLASS STACKED JUNCTIONS</b>	
				Junction Bar, Stacked, Cu, 15/25 kV, (2) 200 A Wells, (3) 200 A Wells, Std. Brkt.	JBS25C2W3W
				Junction Bar, Stacked, Cu, 15/25 kV, (2) 200 A Wells, (3) 200 A Wells, Parking Stand Brkt.	JBS25C2W3WPS
				Junction Bar, Stacked, Cu, 15/25 kV, (2) 200 A Wells, (3) 600 A Bushings, Std. Brkt.	JBS25C2W3B
				Junction Bar, Stacked, Cu, 15/25 kV, (2) 200 A Wells, (3) 600 A Bushings, Parking Stand Brkt.	JBS25C2W3BPS
				Junction Bar, Stacked, Cu, 15/25 kV, (2) 600 A Bushings, (1) 200 A Well, (2) 600 A Bushings, Std. Brkt.	JBS25C2B1W2B
				Junction Bar, Stacked, Cu, 15/25 kV, (2) 600 A Bushings, (1) 200 A Well, (2) 600 A Bushings, P.S. Brkt.	JBS25C2B1W2BPS
				Junction Bar, Stacked, Cu, 15/25 kV, (3) 200 A Wells, (3) 200 A Wells, Std. Brkt.	JBS25C3W3W
				Junction Bar, Stacked, Cu, 15/25 kV, (3) 200 A Wells, (3) 200 A Wells, Parking Stand Brkt.	JBS25C3W3WPS
				Junction Bar, Stacked, Cu, 15/25 kV, (3) 200 A Wells, (1) 600 A Bushing, (2) 200 A Wells, Std. Brkt.	JBS25C3W1B2W
				Junction Bar, Stacked, Cu, 15/25 kV, (3) 200 A Wells, (1) 600 A Bushing, (2) 200 A Wells, P.S. Brkt.	JBS25C3W1B2WPS
				Junction Bar, Stacked, Cu, 15/25 kV, (3) 200 A Wells, (1) 200 A Well, (2) 600 A Bushings, Std. Brkt.	JBS25C3W1W2B
				Junction Bar, Stacked, Cu, 15/25 kV, (3) 200 A Wells, (1) 200 A Well, (2) 600 A Bushings, P.S. Brkt.	JBS25C3W1W2BPS
				Junction Bar, Stacked, Cu, 15/25 kV, (4) 200 A Wells, (4) 200 A Wells, Std. Brkt.	JBS25C4W4W
				Junction Bar, Stacked, Cu, 15/25 kV, (4) 200 A Wells, (4) 200 A Wells, Parking Stand Brkt.	JBS25C4W4WPS

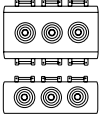
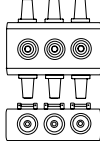
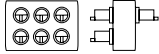
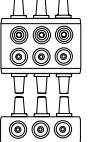
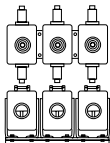
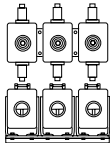
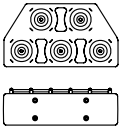


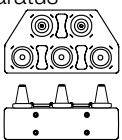
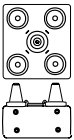
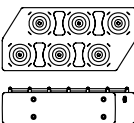
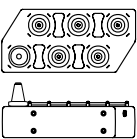
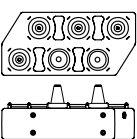
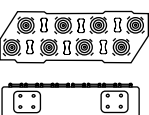
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			<b>35 KV CLASS IN-LINE JUNCTION BARS</b>	
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, Std. Brkt.	JB135C2W
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, Parking Stand Brkt.	JB135C2WPS
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, U-straps	JB135C2WU
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, Std. Brkt.	JB135C3W
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, Parking Stand Brkt.	JB135C3WPS
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, U-Straps	JB135C3WU
				Junction Bar, In-Line, Cu, 35 kV, (4) 200 A Wells, Std. Brkt.	JB135C4W
				Junction Bar, In-Line, Cu, 35 kV, (4) 200 A Wells, Parking Stand Brkt.	JB135C4WPS
				Junction Bar, In-Line, Cu, 35 kV, (4) 200 A Wells, U-straps	JB135C4WU
				Junction Bar, In-Line, Cu, 35 kV, (5) 200 A Wells, Std. Brkt.	JB135C5W
				Junction Bar, In-Line, Cu, 35 kV, (5) 200 A Wells, Parking Stand Brkt.	JB135C5WPS
				Junction Bar, In-Line, Cu, 35 kV, (5) 200 A Wells, U-straps	JB135C5WU
				Junction Bar, In-Line, Cu, 35 kV, (6) 200 A Wells, Std. Brkt.	JB135C6W
				Junction Bar, In-Line, Cu, 35 kV, (6) 200 A Wells, Parking Stand Brkt.	JB135C6WPS
				Junction Bar, In-Line, Cu, 35 kV, (6) 200 A Wells, U-straps	JB135C6WU
				Junction Bar, In-Line, Cu, 35 kV, (2) 600 A Bushings, Std. Brkt.	JB135C2B
				Junction Bar, In-Line, Cu, 35 kV, (2) 600 A Bushings, Parking Stand Brkt.	JB135C2BPS
				Junction Bar, In-Line, Cu, 35 kV, (2) 600 A Bushings, U-straps	JB135C2BU
				Junction Bar, In-Line, Cu, 35 kV, (3) 600 A Bushings, Std. Brkt.	JB135C3B
				Junction Bar, In-Line, Cu, 35 kV, (3) 600 A Bushings, Parking Stand Brkt.	JB135C3BPS
				Junction Bar, In-Line, Cu, 35 kV, (3) 600 A Bushings, U-straps	JB135C3BU

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, In-Line, Cu, 35 kV, (4) 600 A Bushings, Std. Brkt.	JB135C4B
				Junction Bar, In-Line, Cu, 35 kV, (4) 600 A Bushings, Parking Stand Brkt.	JB135C4BPS
				Junction Bar, In-Line, Cu, 35 kV, (4) 600 A Bushings, U-straps	JB135C4BU
				Junction Bar, In-Line, Cu, 35 kV, (5) 600 A Bushings, Std. Brkt.	JB135C5B
				Junction Bar, In-Line, Cu, 35 kV, (5) 600 A Bushings, Parking Stand Brkt.	JB135C5BPS
				Junction Bar, In-Line, Cu, 35 kV, (5) 600 A Bushings, U-straps	JB135C5BU
				Junction Bar, In-Line, Cu, 35 kV, (6) 600 A Bushings, Std. Brkt.	JB135C6B
				Junction Bar, In-Line, Cu, 35 kV, (6) 600 A Bushings, Parking Stand Brkt.	JB135C6BPS
				Junction Bar, In-Line, Cu, 35 kV, (6) 600 A Bushings, U-straps	JB135C6BU
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (2) 600 A Bushings, Std. Brkt.	JB135C1W2B
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (2) 600 A Bushings, Parking Stand Brkt.	JB135C1W2BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (2) 600 A Bushings, U-straps	JB135C1W2BU
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (1) 200 A Well, (1) 600 A Bushing, Std. Brkt.	JB135C1B1W1B
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (1) 200 A Well, (1) 600 A Bushing, P.S. Brkt.	JB135C1B1W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (1) 200 A Well, (1) 600 A Bushing, U-straps	JB135C1B1W1BU
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB135C2W1B
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (1) 600 A Bushing, Parking Stand Brkt.	JB135C2W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (1) 600 A Bushing, U-straps	JB135C2W1BU

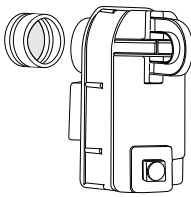
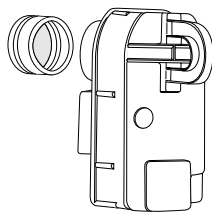
Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (3) 600 A Bushings, Std. Brkt	JB135C1W3B
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (3) 600 A Bushings, Parking Stand Brkt.	JB135C1W3BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (3) 600 A Bushings, U-straps	JB135C1W3BU
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (2) 600 A Bushings, Std. Brkt.	JB135C2W2B
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (2) 600 A Bushings, Parking Stand Brkt.	JB135C2W2BPS
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (2) 600 A Bushings, U-straps	JB135C2W2BU
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB135C3W1B
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, (1) 600 A Bushing, Parking Stand Brkt.	JB135C3W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, (1) 600 A Bushing, U-straps	JB135C3W1BU
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (2) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JB135C1B2W1B
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (2) 200 A Wells, (1) 600 A Bushing, P.S. Brkt.	JB135C1B2W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (2) 200 A Wells, (1) 600 A Bushing, U-straps	JB135C1B2W1BU
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (4) 600 A Bushings, Std. Brkt.	JB135C1W4B
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (4) 600 A Bushings, Parking Stand Brkt.	JB135C1W4BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 200 A Well, (4) 600 A Bushings, U-straps	JB135C1W4BU
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (3) 600 A Bushings, Std. Brkt.	JB135C2W3B
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (3) 600 A Bushings, Parking Stand Brkt.	JB135C2W3BPS
				Junction Bar, In-Line, Cu, 35 kV, (2) 200 A Wells, (3) 600 A Bushings, U-straps	JB135C2W3BU

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, In-Line, Cu, 35 kV, (4) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JBI35C4W1B
				Junction Bar, In-Line, Cu, 35 kV, (4) 200 A Wells, (1) 600 A Bushing, Parking Stand Brkt.	JBI35C4W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (4) 200 A Wells, (1) 600 A Bushing, U-straps	JBI35C4W1BU
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (3) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JBI35C1B3W1B
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (3) 200 A Wells, (1) 600A Bushing, P.S. Brkt.	JBI35C1B3W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (3) 200 A Wells, (1) 600 A Bushing, U-straps	JBI35C1B3W1BU
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, (3) 600 A Bushings, Std. Brkt.	JBI35C3W3B
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, (3) 600 A Bushings, Parking Stand Brkt	JBI35C3W3BPS
				Junction Bar, In-Line, Cu, 35 kV, (3) 200 A Wells, (3) 600 A Bushings, U-straps	JBI35C3W3BU
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (4) 200 A Wells, (1) 600 A Bushing, Std. Brkt.	JBI35C1B4W1B
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (4) 200 A Wells, (1) 600 A Bushing, P.S. Brkt.	JBI35C1B4W1BPS
				Junction Bar, In-Line, Cu, 35 kV, (1) 600 A Bushing, (4) 200 A Wells, (1) 600 A Bushing, U-straps	JBI35C1B4W1BU
35 KV CLASS, L SPLICES					
 				Junction Bar, L-Splice, Cu, 35 kV, (2) 200 A Wells, (1) 200 A Well, Std. Brkt.	JBL35C2W1W
				Junction Bar, L-Splice, Cu, 35 kV, (2) 200 A Wells, (1) 200 A Well, Parking Stand Brkt.	JBL35C2W1WPS
				Junction Bar, L-Splice, Cu, 35 kV, (2) 200 A Wells, (1) 200 A Well, U-straps	JBL35C2W1WU
 				Junction Bar, L-Splice, Cu, 35 kV, (4) 200 A Wells, (2) 600 A Bushings, Std. Brkt.	JBL35C4W2B
				Junction Bar, L-Splice, Cu, 35 kV, (4) 200 A Wells, (2) 600 A Bushings, Parking Stand Brkt.	JBL35C4W2BPS
				Junction Bar, L-Splice, Cu, 35 kV, (4) 200 A Wells, (2) 600 A Bushings, U-straps	JBL35C4W2BU

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			<b>35 KV CLASS, Y SPLICES — THREE-PHASE</b>	
				Junction Bar, Y-Splice, Cu, 3ph, 1 pc., 35 kV, (3) 200 A Wells Per Phase, Std. Brkt.	JBY3351C3W
				Junction Bar, Y-Splice, Cu, 3ph, 1 pc., 35 kV, (1) 200 A Well, (2) 600 A Bushings Per Phase, Std. Brkt.	JBY3351C1W2B
				Junction Bar, Y-Splice, Cu, 3ph, 1 pc., 35 kV, (3) 600 A Straight Bushings Per Phase, Std. Brkt.	JBY3351C3S
				Junction Bar, Y-Splice, Cu, 3ph, 1 pc., 35 kV, (1) 200 A Well, (3) 600 A Bushings Per Phase, Std. Brkt.	JBY3351C1W3B
<b>35 KV, Y SPLICES</b>					
				Junction Bar, Y-Splice, Cu, 3ph, 35 kV, (1) 200 A Well, (2) 600 A Bushings Per Phase, Std. Brkt.	JBY335C1W2B
				Junction Bar, Y-Splice, Cu, 3ph, 35 kV, (1) 200 A Well, (2) 600 A Straight Bushings Per Phase, Std. Brkt.	JBY335C1W2S
<b>35 KV CLASS STACKED JUNCTIONS</b>					
				Junction Bar, Stacked, Cu, 35 kV, (2) 200 A Wells, (3) 200 A Wells, Std. Brkt.	JBS35C2W3W
				Junction Bar, Stacked, Cu, 35 kV, (2) 200 A Wells, (3) 200 A Wells, Parking Stand Brkt.	JBS35C2W3WPS

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Deadbreak Apparatus Connectors (continued) 	650-10			Junction Bar, Stacked, Cu, 35 kV, (2) 200 A Wells, (3) 600 A Bushings, Std. Brkt.	JBS35C2W3B
				Junction Bar, Stacked, Cu, 35 kV, (2) 200 A Wells, (3) 600 A Bushings, Parking Stand Brkt.	JBS35C2W3BPS
				Junction Bar, Stacked, Cu, 35 kV, (2) 600 A Bushings, (1) 200 A Well, (2) 600 A Bushings, Std. Brkt.	JBS35C2B1W2B
				Junction Bar, Stacked, Cu, 35 kV, (2) 600 A Bushings, (1) 200 A Well, (2) 600 A Bushings, P.S. Brkt.	JBS35C2B1W2BPS
				Junction Bar, Stacked, Cu, 35 kV, (3) 200 A Wells, (3) 200 A Wells, Std. Brkt.	JBS35C3W3W
				Junction Bar, Stacked, Cu, 35 kV, (3) 200 A Wells, (3) 200 A Wells, Parking Stand Brkt.	JBS35C3W3WPS
				Junction Bar, Stacked, Cu, 35 kV, (3) 200 A Wells, (1) 600 A Bushing, (2) 200 A Wells, Std. Brkt.	JBS35C3W1B2W
				Junction Bar, Stacked, Cu, 35 kV, (3) 200 A Wells, (1) 600 A Bushing, (2) 200 A Wells, P.S. Brkt.	JBS35C3W1B2WPS
				Junction Bar, Stacked, Cu, 35 kV, (3) 200 A Wells, (1) 200 A Well, (2) 600 A Bushings, Std. Brkt.	JBS35C3W1W2B
				Junction Bar, Stacked, Cu, 35 kV, (3) 200 A Wells, (1) 200 A Well, (2) 600 A Bushings, P.S. Brkt.	JBS35C3W1W2BPS
				Junction Bar, Stacked, Cu, 35 kV, (4) 200 A Wells, (4) 200 A Wells, Std. Brkt.	JBS35C4W4W
				Junction Bar, Stacked, Cu, 35 kV, (4) 200 A Wells, (4) 200 A Wells, Parking Stand Brkt.	JBS35C4W4WPS

# Fault Indicators

Product	Catalog Section	Typical Application	Recommended Spec Wording	Description	Catalog Numbers
Test Point Reset Fault Indicators  	320-40 S320-40-1	To locate faulted sections of underground cable systems by being connected to voltage test point on a 200 A separable connector or 600 A terminator.	Features to include: An inrush restraint to eliminate false tripping and is standard on all units. The faulted circuit indicator must ignore inrush currents caused by reclosing operations of protective devices on the system. A dead time of 200 ms will activate the inrush restraint feature. A low pass filter is required to prevent the faulted circuit indicator from tripping on high frequency transients like those caused by cable capacitive discharges. Temperature compensation circuitry to assure accurate reliable performance over the entire specified temperature range of -40 °C to +85 °C. Allow easy coordination with current-limiting fuses.	S.T.A.R. Test Point Reset, HI Trip	STHI
				S.T.A.R. Test Point Reset, HI Trip w/Aux. Contact	STHIA
				S.T.A.R. Test Point Reset, HI Trip w/Aux. Contact and Remote Fisheye Display	STHIAR
				S.T.A.R. Test Point Reset, HI Trip w/Aux. Contact and Small Remote Display	STHIAS
				S.T.A.R. Test Point Reset, HI Trip, w/ Adapter Kit	STHIK
				S.T.A.R. Test Point Reset, HI Trip w/ Remote Fisheye Display	STHIR
				S.T.A.R. Test Point Reset, HI Trip w/ Small Remote Display	STHIS
				S.T.A.R. Test Point Reset, LO Trip	STLO
				S.T.A.R. Test Point Reset, LO Trip w/ Aux. Contact	STLOA
				S.T.A.R. Test Point Reset, LO Trip w/ Aux. Contact and Remote Fisheye Display	STLOAR
				S.T.A.R. Test Point Reset, LO Trip w/ Aux. Contact and Small Remote Display	STLOAS
				S.T.A.R. Test Point Reset, LO Trip, w/ Adapter Kit	STLOK
				S.T.A.R. Test Point Reset, LO Trip w/ Remote Fisheye Display	STLOR
				S.T.A.R. Test Point Reset, LO Trip w/ Small Remote Display	STLOS
				S.T.A.R. Test Point Reset Adapter Kit	STAK
Pathfinder Test Point Reset Fault Indicator  	320-42 S320-42-1 S320-42-2	To locate faulted sections of underground cable systems by being connected to voltage test point on a 200 A separable connector or 600 A terminator.	Features to include: Fault indication on minimum 100 A di/dt within 100 ms. Response time of 3 ms or less, for coordination with current-limiting fuses. Current transformer fault sensing design. Inrush restraint to prevent false tripping due to current inrush conditions. Low pass filter specifically tuned to prevent false tripping on high frequency transients, but to allow proper indication on systems using current-limiting fuses. Temperature compensation for accurate and reliable performance over a temperature range of -40 °C to +85 °C. Reset restraint to prevent false reset due to excessive voltage feedback levels up to 80% of nominal system voltage. Installation using single hotstick.	S.T.A.R. Pathfinder Test Point Reset w/ Variable Trip	STVT
				S.T.A.R. Pathfinder Test Point Reset w/ Variable Trip & Aux.	STVTA
				S.T.A.R. Fiber Optic Remote Cable, 6 ft.	SFOC
				S.T.A.R. Fiber Optic Remote Cable, 9 ft.	SFOC09
				S.T.A.R. Fiber Optic Remote Cable, 12 ft.	SFOC12



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B100-95023 December 2013

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