

PRODUCT BROCHURE



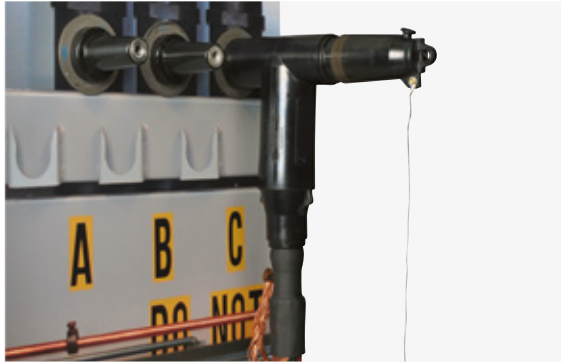
ComboT integral separable connectors



One of the shortest stack heights in the industry — works in smaller cabinets and installs in tighter spaces

— 01 ComboT CETP installed.

— 02 ComboT CCP installed.



01



02

Short stack height

- Each combination elbow/connecting plug reduces stack height 2.67 inches.

Eliminates blind assembly

- Simple connection system reduces the chance of cross threading and is easier to line up and install.

Fewer interfaces and reduced inventory

- Combination elbow/reducing taps, connecting and bushing well plugs.

Installs with your standard assembly tools

- Unique conductive component and uses standard 600 or 900 series stud.

Ensures proper installation torque

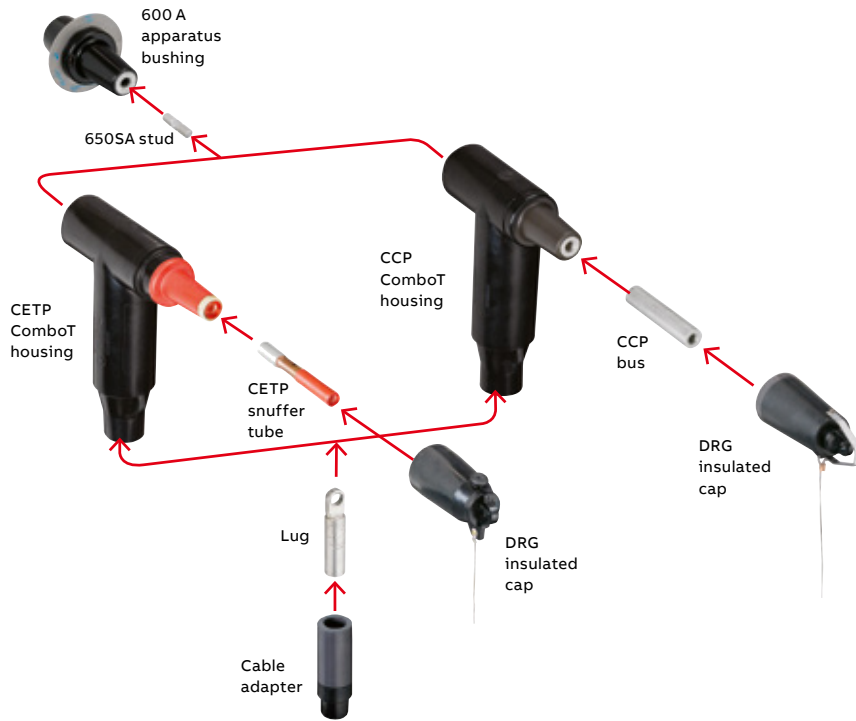
- Internal hex broach.

IEEE 386 color-coded PBT interfaces

- Red for 15 kV reducing tap and blue for 25 kV reducing tap. Provides better visibility and seating indication, and facilitates installation of the mating component. Prevents like material from sticking for easier removal.

25 kV Reducing tap with vents prevents partial-vacuum flashover





Simple design, simple assembly

The 15 kV CETP and 15/25 kV CCP simple design makes assembly quick and easy, utilizing a standard $\frac{1}{8}$ "-11 stud that is threaded into the equipment bushing. The hollow bore of the ComboT allows visual validation that the compression lug is positioned properly before the snuffer/bus is inserted and tightened. If preferred, the stud may be threaded first into the snuffer/bus. Again, the hollow bore of the ComboT allows visual validation that the compression lug is correctly positioned before proceeding. This is all accomplished with the same parts in a ComboT kit. There is no need to choose "male fastener" or "female fastener" when ordering.

Ratings

Base catalog series	Deadbreak with loadbreak reducing tap			
	655/656CETP series 600 A deadbreak	675/676CETP series 900 A deadbreak	K655/K656CETP series 600 A deadbreak	K675/K676CETP series 900 A deadbreak
Voltage class (kV)	15	15	25	25
Max. phase-to-ground operating voltage (kV)	8.3	8.3	15.2	15.2
Max. phase-to-phase operating voltage (kV)	14.4	14.4	26.3	26.3
BIL – Impulse withstand (1.2 x 50 microsecond wave) (kV)	95	95	125	125
AC – One-minute withstand voltage (kV)	34	34	40	40
DC – 15-minute withstand voltage (kV)	53	53	78	78
Corona extinction level @ 3.0 pC sensitivity (kV)	11	11	19	19

Interface/connection	600 A DB	200 A LB	900 A DB	200 A LB	600 A DB	200 A LB	900 A DB	200 A LB
Continuous current (A)	600	200	900	200	600	200	900	200
Loadmake/loadbreak switching current (A)	–	200	–	200	–	200	–	200
Symmetrical momentary current – 10 cycle (kA)	25	10	25	10	25	10	25	10
Symmetrical one-time fault close current – 10 cycle (kA)	–	10	–	10	–	10	–	10
Symmetrical momentary current – 3 second (kA)	10	3.5	10	3.5	10	3.5	10	3.5

Ratings

Base catalog series	Deadbreak with connecting plug		Deadbreak with bushing well	
	K655K656 CCP series 600 A deadbreak	K675K676 CCP series 900 A deadbreak	K655K656 CBW series 600 A deadbreak	K675K676 CBW series 900 A deadbreak
Voltage class (kV)	15/25/28	15/25/28	15/25/28	15/25/28
Max. phase-to-ground operating voltage (kV)	16.2	16.2	16.2	16.2
Max. phase-to-phase operating voltage (kV)	28.0	28.0	28.0	28.0
BIL – Impluse withstand (1.2 x 50 microsecond wave) (kV)	140	140	140	140
AC – One-minute withstand voltage (kV)	45	45	45	45
DC – 15-minute withstand voltage (kV)	84	84	84	84
Corona extinction level @ 3.0 pC sensitivity (kV)	21.5	21.5	21.5	21.5
Continuous current (A)	600	900	600	900
Symmetrical momentary current – 10 cycle (kA)	25	25	25	25
Symmetrical momentary current – 3 second (kA)	10	10	10	10

Installation

Installation sequence for Elastimold ComboT 15 kV reducing tap

Note: System needs to be de-energized before installation. See complete instruction sheet before initiating an installation.



- 01 Normal cable preparation.
- 02 Thread stud into bushing.
- 03. Lubricate and slide ComboT onto the cable.
- 04 Push ComboT onto the bushing.
- 05 Insert snuffer tube into the bore of the ComboT and thread onto the bushing stud.
- 06 Insert 600AT and tighten.
- 07 Install the insulating cap with a hot line stick.
- 08 ComboT CETP installed.



01



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Installation

Installation sequence for Elastimold ComboT 15/25 kV connecting tap

Note: System needs to be de-energized before installation. See complete instruction sheet before initiating an installation.



- 01 Thread stud into bushing.
- 02 Normal cable prep.
- 03. Lubricate and slide ComboT onto the cable and push ComboT onto the bushing.
- 04 Insert CCP bus into the bore of the ComboT and thread onto the bushing stud.
- 05 Insert 600ATM and torque to 50 to 60 ft.-lbs.
- 06 Install second T-body.
- 07 Insert BIP and torque to 50 to 60 ft.-lbs
- 08 Install the BIP cap.
- 09 ComboT CCP installed.



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ComboT integral separable connectors

Base part numbers

ComboT integral separable connectors

Description	kV class	Test point	Continuous current, amps	Connector: universal aluminum, copper or bi-metal	Cat. no.	Notes	Basic ComboT elbow with bus and stud	
							Kit not to scale	
ComboT elbow/ reducing tap plug	15	No	600	U-AL	655BCETP	–	(No test point; aluminum shown)	
			900	CU	675BCETP	1		
			900	BM	675BCETP	1		
		Yes	600	U-AL	656BCETP	–		
			900	CU	676BCETP	1		
			900	BM	676BCETP	1		
	25	No	600	U-AL	K655BCETP	–	(Test point; aluminum shown)	
			900	CU	K675BCETP	1		
			900	BM	K675BCETP	1		
		Yes	600	U-AL	K656BCETP	–		
			900	CU	K676BCETP	1		
			900	BM	K676BCETP	1		
ComboT elbow/ connecting plug	15/25	No	600	U-AL	K655BCCP	–	(No test point; aluminum shown)	
			900	CU	K675BCCP	1		
			900	BM	K675BCCP	1		
		Yes	600	U-AL	K656BCCP	–		
			900	CU	K676BCCP	1		
			900	BM	K676BCCP	1		
	15/25	No	600	U-AL	K655BCBW	–	(Test point; aluminum shown)	
			900	CU	K675BCBW	1		
			900	BM	K675BCBW	1		
		Yes	600	U-AL	K656BCBW	–		
			900	CU	K676BCBW	1		
			900	BM	K676BCBW	1		

ComboT integral separable connectors

ComboT Elbow with bus, stud, cable adapter and lug kit			ComboT elbow with bus, stud, cable adapter, lug and insulated cap kit		
Catalog number	Notes	Kit not to scale	Cat. no.	Notes	Kit not to scale
655CETPW0X	2	(No test point; aluminum shown)	655CETPW0XDRG	2	(No test point; aluminum shown)
675CETPW2X	1, 2		675CETPW2XDRG	1, 2	
675CETPW5X	1, 2		675CETPW5XDRG	1, 2	
656CETPW0X	2		656CETPW0XDRG	2	
676CETPW2X	1, 2		676CETPW2XDRG	1, 2	
676CETPW5X	1, 2		676CETPW5XDRG	1, 2	
k655CETPW0X	2	(Test point; aluminum shown)	K655CETPW0XDRG	2	(Test point; aluminum shown)
K675CETPW2X	1, 2		K675CETPW2XDRG	1, 2	
K675CETPW5X	1, 2		K675CETPW5XDRG	1, 2	
K656CETPW0X	2		K656CETPW0XDRG	2	
K676CETPW2X	1, 2		K676CETPW2XDRG	1, 2	
K676CETPW5X	1, 2		K676CETPW5XDRG	1, 2	
K655CCPW0X	2	(No test point; aluminum shown)	K655CCPW0XDRG	2	(No test point; aluminum shown)
K675CCPW2X	1, 2		K675CCPW2XDRG	1, 2	
K675CCPW5X	1, 2		K675CCPW5XDRG	1, 2	
K656CCPW0X	2		K656CCPW0XDRG	2	
K676CCPW2X	1, 2		K676CCPW2XDRG	1, 2	
K676CCPW5X	1, 2		K676CCPW5XDRG	1, 2	
K655CBWW0X	2	(Test point; aluminum shown)	K655CBWW0XBWP	2	(Test point; aluminum shown)
K675CBWW2X	1, 2		K675CBWW2XBWP	1, 2	
K675CBWW5X	1, 2		K675CBWW5XBWP	1, 2	
K656CBWW0X	2		K656CBWW0XBWP	2	
K676CBWW2X	1, 2		K676CBWW2XBWP	1, 2	
K676CBWW5X	1, 2		K676CBWW5XBWP	1, 2	

Ordering information

The following diagram shows how to construct a catalog number for a ComboT.

☐ Indicates field that must be filled in to complete the catalog number.

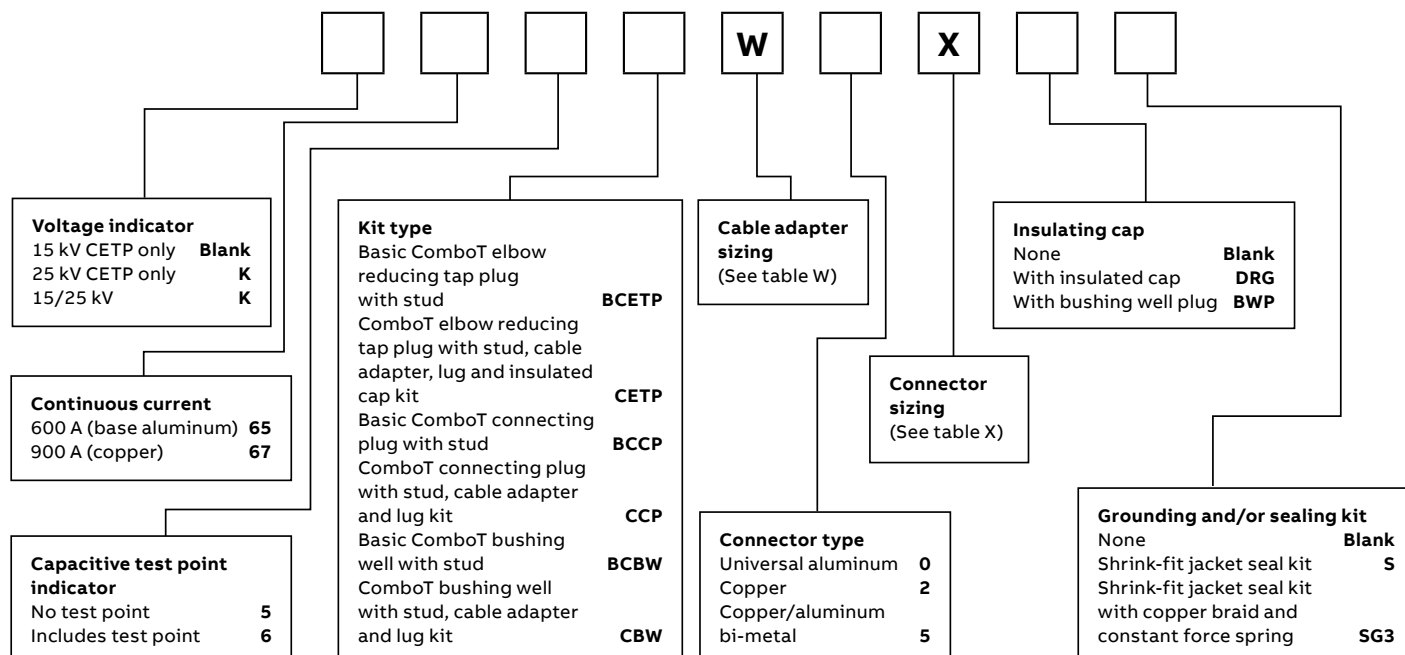


Table W – Cable adapter sizing

Cable insulation dia. range				
Inches			mm	Symbol
Min.	Max.	Min.	Max.	for W
0.42	0.66	10.7	16.8	D
0.53	0.68	13.5	17.3	E
0.640	0.820	16.3	20.8	F
0.760	0.950	19.3	24.1	G
0.850	1.050	21.6	26.7	H
0.980	1.180	24.9	30.0	J
1.090	1.310	27.7	33.3	K
1.180	1.465	30.0	37.2	L
1.280	1.430	32.5	36.3	LM
1.370	1.630	34.8	41.4	M
1.550	1.780	38.5	45.2	N
1.725	1.935	43.8	49.1	P

Table X – Connector sizing

AWG or kcmil		mm ²	
Stranded/ compressed	Solid/ compact	Compact only	X code
–	2	25	210
2	1	35	220
1	1/0	50	230
1/0	2/0	–	240
2/0	3/0	70	250
3/0	4/0	95	260
4/0	250	125	270
250	300	–	280
300	350	150	290
350	400	185	300
400	450	240	310
450	500	–	320
500	600	300	330
650	750	400	360
750	900	–	380
900	1000	500	400
1000	–	–	410
–	1250	630	420
1250	–	–	440

Notes



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