

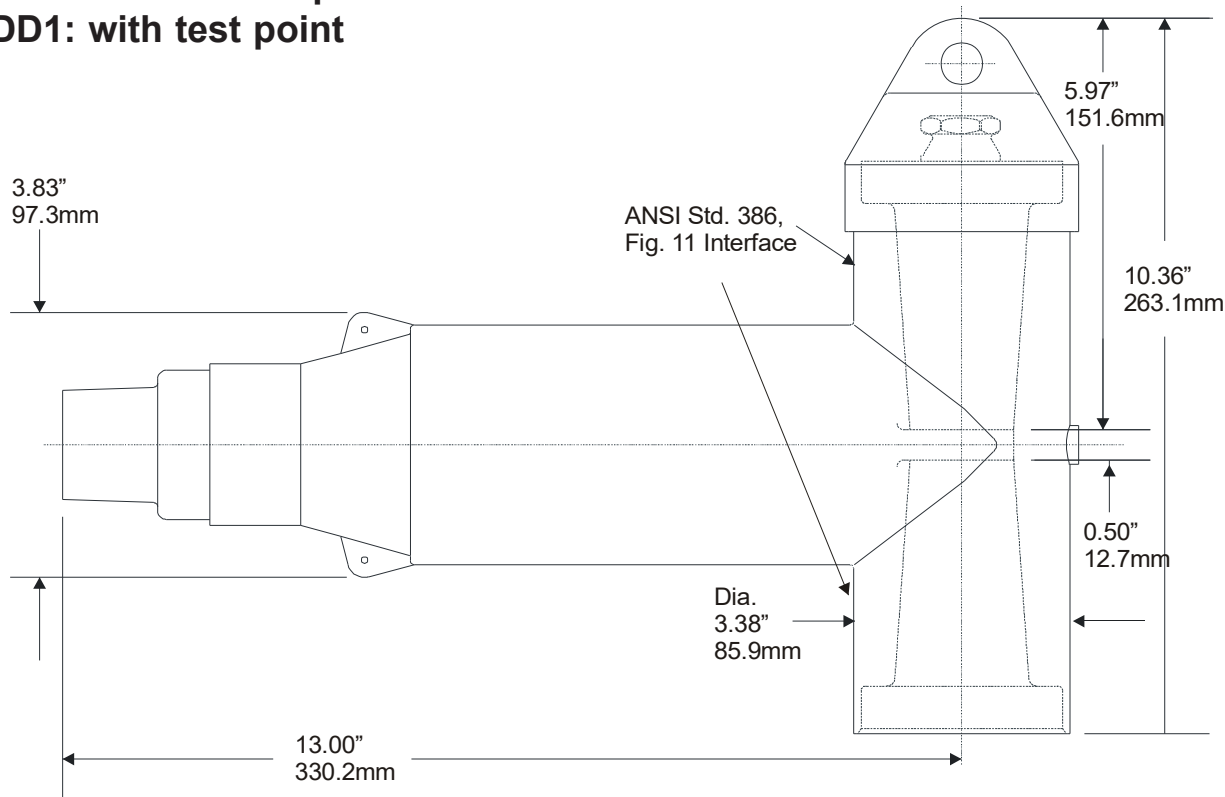


SPECIFICATION SHEET

Description

15/25kV 600A Deadbreak Connector

Product Series

TDD**TDD0: without test point****TDD1: with test point****Application:**

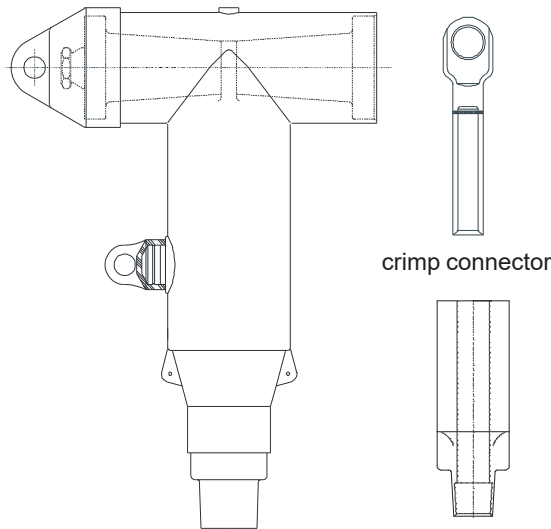
The CableMate TDD 15/25kV, 600A product series is a premolded deadbreak connector made out of peroxide-cured EPDM rubber. It is designed to provide fully shielded, deadfront submersible cable connections to apparatus such as transformers, switchgear and switches. It is designed for use on solid dielectric cable with diameter over insulation from 16.3 mm (0.64") up to 49.1 mm (1.94") and copper or aluminum conductor from 35 mm² (#2 AWG) up to 800 mm² (1250 kcmil). When used on metallic tape shield or drain wire cable, a CableMate GD1 or GD2 grounding device can be provided for cable jacket sealing and grounding. The TDD meets the requirements of ANSI/IEEE standard 386 - 2006 with a ANSI 386 Fig. 11 compatible interface. It is available with or without a capacitance test point. The TDD is rated for 900A continuous current when supplied with the available copper insulating plug, copper stud, copper crimp connector and mated with a 900A rated apparatus bushing.

Ratings Per ANSI/IEEE Standard 386	
Description	Rating
Standard Voltage Class	25 kV
Maximum Rated Voltage Phase-to-Phase	28 kV
Maximum Operating Voltage Phase-to-Ground	16.2 kV
BIL and Full Wave Crest (1.2 x 50 μs wave)	140 kV
60Hz AC One Minute Withstand (rms)	45 kV
DC 15 Minute Withstand	84 kV
AC Corona Extinction @ 3p.C.sensitivity	21.5 kV
Continuous Current (rms)	600 A
Short Time Current Rating at 0.17 s (rms)	25 kA sym



15/25kV 600A Deadbreak Connector

Product Series:
TDD



TDD1 with test point housing with insulating plug crimp connector cable adapter

Ordering Instruction:

Step 1:

Specify TDD with test point (1) or without (0) test point.

Step 2 (From Table H):

Determine the insulation diameter of the cable. Select the cable adapter code that best fits the insulation diameter from Table H.

Step 3 (From Table C):

Using Table C choose the proper crimp connector code according to the conductor size of the cable. (Aluminum crimp connector can be used on either aluminum or copper conductor, copper crimp connector can only be used on copper conductor.)

Ordering Example:

The catalog number for a 15/25kV, 600A deadbreak connector with test point for 95 mm² aluminum conductor cable, with an insulation diameter of 22.0 mm (0.87") is TDD1H02A09. The catalog number for a 900A rated 15/25 kV deadbreak connector without test point for 120 mm² copper conductor cable with an insulation diameter of 27.5 mm (1.08") is TDD0H04C10.

Ordering Instruction: TDD

Test Point		Table H			Table C				
with	1	Cable Insulation Dia. Range		Cable Adapter Code	AWG/MCM		IEC	Conn. Code	
without	0	mm	Inches		STR	COMP	mm ²	AL	Cu
		16,3 - 20,8	0.64 - 0.82	H01	3	2	25	A04	C04
		19,3 - 24,1	0.76 - 0.95	H02	2	1	35	A05	C05
		21,6 - 26,7	0.85 - 1.05	H03	1	1/0	38/50	A06	C06
		24,9 - 30,0	0.98 - 1.18	H04	1/0	2/0	60	A07	C07
		27,7 - 33,3	1.09 - 1.31	H05	2/0	3/0	70	A08	C08
		30,0 - 37,2	1.18 - 1.47	H06	3/0	4/0	95	A09	C09
		32,5 - 36,3	1.28 - 1.43	H07	4/0	250	120	A10	C10
		34,8 - 41,4	1.37 - 1.63	H08	250	300	--	A11	C11
		38,5 - 45,2	1.52 - 1.78	H09	300	350	150	A12	C12
		43,8 - 49,1	1.73 - 1.94	H10	350	400	185	A13	C13
					400	450	240	A14	C14
					450	500	250	A15	C15
					500	600	300	A16	C16
					550	650	--	A17	C17
					600	700	325	A18	C18
					650	750	400	A19	C19
					750	800	--	A21	C21
					800	--	--	A22	C22
					--	1000	500	A23	C23
					1000	--	--	A24	C24
					1100	--	630	A25	C25
					1250	1500	--	A27	C27

Example: A TDD1H02A09 connector kit contains the following:

- Description:
- 1 - TDD1 housing
 - 1 - Connecting stud
 - 1 - Crimp connector
 - 1 - Insulating Plug (w/cap)
 - 1 - Cable adapter
 - 3 - Silicone lubricant packet
 - 1 - Installation instruction
 - 1 - Crimp chart

- Catalog No.:
- TDD1H
 - TDDSA
 - TDCA09
 - TDPA
 - TDAH02
 - SLG