



T-BODY WITH OR WITHOUT TEST-POINT

CABLE ADAPTER		
SIZE	INS. RANGE (IN)	INS. RANGE (mm)
D	.750-.985	19.10-25.00
E	.930-1.040	23.60-26.40
F	.980-1.115	24.90-28.30
G	1.040-1.175	26.40-29.90
H	1.095-1.240	27.80-31.50
J	1.160-1.305	29.50-33.20
K	1.220-1.375	31.00-34.90
L	1.285-1.395	32.60-35.40
M	1.355-1.520	34.40-38.60
N	1.485-1.595	37.70-40.50
P	1.530-1.640	38.90-41.70
Q	1.575-1.685	40.00-42.80
R	1.665-1.785	42.30-45.30
S	1.755-1.875	44.60-47.60
T	1.845-1.965	46.90-49.90
U	1.935-2.055	49.20-52.20
V	2.025-2.145	51.40-54.50

# 35 kV DEADBREAK T-BODY 150kV BIL

Conforms to all Requirements of IEEE Std. 386 - Latest Revision

### Ratings

Maximum Continuous Voltage.....21.1 kV Phase-to-Ground  
Continuous Current.....600 A  
(Aluminum components)

### Short-Time Current Ratings

0.17 Sec. Duration.....40,000 A rms Symmetrical  
3.00 Sec. Duration.....20,000 A rms Symmetrical

### Insulation Withstand Voltages

Basic Impulse Level.....150 kV Crest (1.2 x 50 μSec. wave)  
60 Hz (60 Sec.).....50 kV rms  
Partial Discharge Extinction Voltage (5 pC).....26 kV rms

### Overload Current

4 Hour Rating.....900 A

### Production Tests

100% factory tested for Partial Discharge and either AC 60 Hz (50 kV for 60 Sec.) or Impulse (BIL) (150kV 1.2 x 50 μSec. wave).  
Test Point Verification Performed.

### ORDERING INFORMATION:

635BT(W)(XX)(T)(J)(S)  
W - SELECT CABLE ADAPTER SIZE  
XX - SELECT CRIMP OR SHEAR BOLT CONNECTOR SIZE  
T - IF TESTPOINT, EMPTY IF NO TEST POINT  
J - IF CABLE SEAL KIT IS REQUIRED  
S - IF SHIELD ADAPTER IS REQUIRED

### CRIMP CONNECTOR

CONNECTOR CODE	CONDUCTOR SIZE	STRANDING
22	#2	STRANDED & COMPRESSED
23	#1	STRANDED & COMPRESSED
24	1/0	STRANDED & COMPRESSED
25	2/0	STRANDED & COMPRESSED
26	3/0	STRANDED & COMPRESSED
27	4/0	STRANDED & COMPRESSED
28	250	STRANDED & COMPRESSED
30	350	STRANDED & COMPRESSED
33	500	STRANDED & COMPRESSED
35	600	STRANDED & COMPRESSED
38	700	STRANDED & COMPRESSED
38	750	STRANDED & COMPRESSED
39	800	STRANDED & COMPRESSED
40	900	STRANDED & COMPRESSED
41	1000	STRANDED & COMPRESSED

### SHEAR BOLT CONNECTOR

CONNECTOR CODE	CONDUCTOR RANGE	STRANDING
U1	#2 - 250	STRANDED & COMPRESSED
U2	4/0 - 450	STRANDED & COMPRESSED
U3	350 - 750	STRANDED & COMPRESSED
U4	750 - 1250	STRANDED & COMPRESSED
U5	1250 - 1500	STRANDED & COMPRESSED

HUBBELL POWER SYSTEMS, Inc. POWER SYSTEMS, INC.		TITLE	
		35 kV DEADBREAK ELBOW W/TEST POINT 150kV BIL	
SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
SB	--	635BTwxx	4
DO NOT SCALE THIS DRAWING		DRN BY BvB	DATE 8/13/2020 SHEET 1 OF 1

REV DATE 4/12/2021

CONTENTS ARE CONFIDENTIAL AND THE EXCLUSIVE PROPERTY OF HUBBELL POWER SYSTEMS. NO PUBLICATION, DISTRIBUTION OR COPIES MAY BE MADE WITHOUT THE WRITTEN CONSENT OF HUBBELL POWER SYSTEMS. HUBBELL POWER SYSTEMS UNPUBLISHED ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.