



ITEM 1 POLYMER HOUSED SURGE DIVERTER  
- BOWTHORPE

1 : 2

TABLE 1 - TECHNICAL INFORMATION FOR ITEM 1.

DIVERTER TYPE kV	RATED VOLTAGE kV	STOCK CODE	MAX CONT OPERATING VOLTAGE (COV) kV	TEMPORARY OVER-VOLTAGE CAPABILITY FOR 1 SEC (TOV) kV	MAX RESIDUAL VOLTAGE WITH CURRENT WAVE					STEEP CURRENT RESIDUAL VOLTAGE 10 kA kV CREST	RECOMMENDED MINIMUM PHASE CENTRES mm	RECOMMENDED MINIMUM DISTANCE LINE TO EARTH mm
					SWITCHING SURGE							
					125 A kV CREST	500 A kV CREST	5 kA kV CREST	10 kA kV CREST	20 kA kV CREST			
11	9.0	249425	7.2	11.2	17.1	18.2	22.6	24.8	28.1	26.0	139.0	42.0
22	18.0	249433	14.0	22.5	34.1	36.3	45.3	49.5	56.0	52.0	267.0	113.0

TABLE 2 - TECHNICAL INFORMATION FOR ITEM 1

DIVERTER TYPE kV	OVERALL HEIGHT (E) mm (MAX)	TOTAL CREEPAGE mm (NOM)	NETT WEIGHT kg (APPROX)	MAXIMUM SAFE LOAD CANTILEVER TO LINE TERMINAL N
11	226	420	2.0	2513
22	326	720	3.2	1760

TABLE 3 - CLAMP-LUG - DATA

STOCK CODE	MAX COND SIZE	DIMENSIONS				STANGER No
		A	B	C	D	
151449	37 / 1.78	82.5	32	13	16.6	14606
2196	19 / 1.53	68	26	10.5	14	14604

NOTES :

- FOR 35 sq.mm CABLE APPLICATIONS USE S/C 2196.  
FOR BETWEEN 35 sq.mm AND 120 sq.mm USE S/C 151449.  
FOR GREATER THAN 120 sq.mm USE APPROPRIATE COMPRESSION LUG.

1	SUPERSEDED BY S01-01-04-19	A.T.	DEC'12	B.C.	B.C.
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	F.N	POWER STANDARD DRAWING			
DRN	J.A.L.	<b>LINE HARDWARE HV SURGE DIVERTER CONNECTION DETAIL</b>			
CKD	S.C.M.				
APPD	F.R.R.				
SCALE	AS SHOWN				
ISSUED	FEB'97	A3	DRAWING NUMBER	S01-01-04-33	
ALL DIM. IN mm			DRAWING NUMBER		S01-01-04-33
DRAFTING STANDARD TO A.S.1100			CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT