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BOWTHORPE EMP

HIGH VOLTAGE SINGLE COLUMN
POLYMERIC SURGE ARRESTERS (IEEE)

Station Class Porcelain Surge Arresters MCA

Protective Characteristics

Product Code	Rating voltage kV	Max cont. operating voltage (COV) kV	Temporary over-voltage capability for 1 sec (TOV) kV	Max residual voltage kV crest with current wave										Steep current residual voltage*	
				Switching surge 30/60 μS					Lightning current 8/20 μS						
				125A kV crest	250A kV crest	500A kV crest	1000A kV crest	2000A kV crest	5kA kV crest	10kA kV crest	20kA kV crest	40kA kV crest	10kA kV crest	20kA kV crest	
MCA03L2E1M2	3.0	2.40	3.67	10.5	10.9	11.1	11.5	12.1	13.3	14.3	15.7	17.8	15.3	16.8	
MCA06L2E1M2	6.0	4.80	7.34	21.1	21.7	22.3	23.1	24.2	26.6	28.6	31.4	35.5	30.7	33.7	
MCA012L2E1M2	12	9.60	14.7	31.6	32.6	33.4	34.6	36.2	39.9	42.9	47.1	53.3	46.0	50.5	
MCA015L2E1M2	15	12.0	18.4	37.7	38.8	39.9	41.2	43.2	47.5	51.2	56.2	63.5	54.8	60.2	
MCA021L2E1M2	21	16.8	25.7	48.6	50.0	51.4	53.2	55.7	61.3	66.0	72.4	81.9	70.7	77.6	
MCA024L2E1M2	24	19.2	29.4	52.7	54.3	55.7	57.7	60.4	66.4	71.5	78.5	88.9	76.7	84.2	
MCA127L2E1M2	27	21.6	33.0	60.1	61.9	63.6	65.8	68.9	75.8	81.6	89.6	101	87.5	96.0	
MCA130L2E1M2	30	24.0	36.7	66.0	67.9	69.8	72.2	75.6	83.1	89.5	98.3	111	96.0	105	
MCA136L2E1M2	36	28.8	44.1	75.4	77.6	79.7	82.5	86.4	95.0	102	112	127	110	120	
MCA139L2E1M2	39	31.2	47.7	82.5	85.0	87.3	90.3	94.6	104	112	123	139	120	132	
MCA260L2E1M2	60	48.0	73.4	123	126	130	134	140	154	166	183	207	178	196	
MCA275L2E1M2	75	60.0	91.8	151	155	159	165	173	190	205	225	254	219	241	
MCA360L2E1M2	60	48.0	73.4	123	126	130	134	140	154	166	183	207	178	196	
MCA396L2E1M2	96	76.8	118	190	196	201	208	218	240	258	284	321	277	304	
MCA3108L2E1M2	108	86.4	132	211	217	223	231	242	266	286	314	355	307	337	
MCA3120L2E1M2	120	96.0	147	236	243	249	258	270	297	320	351	397	343	376	
MCA3126L2E1M2	126	101	154	248	255	262	271	284	312	336	369	417	360	396	
MCA4144L2E1M2**	144	115	176	281	289	297	307	322	354	381	418	473	408	448	
MCA4150L2E1M2**	150	120	184	292	301	309	320	335	368	396	435	493	425	467	
MCA31150L2E1M2	150	120	184	292	301	309	320	335	368	396	435	493	425	467	
MCA32150L2E1M2	150	120	184	292	301	309	320	335	368	396	435	493	425	467	
MCA40150L2E1M2**	150	120	184	292	301	309	320	335	368	396	435	493	425	467	
MCA41198L2E1M2**	198	158	242	383	395	405	419	439	483	520	571	646	558	612	
MCA42198L2E1M2**	198	158	242	383	395	405	419	439	483	520	571	646	558	612	
MCA43198L2E1M2**	198	158	242	383	395	405	419	439	483	520	571	646	558	612	
MCA43240L2E1M2**	240	192	294	462	475	488	505	529	582	627	688	778	672	738	
MCA44240L2E1M2**	240	192	294	462	475	488	505	529	582	627	688	778	672	738	
MCA44288L2E1M2**	288	230	353	551	567	583	603	632	695	748	821	929	802	880	
MCA333336L2E1M2	336	269	411	642	661	679	702	735	809	871	956	1082	934	1025	
MCA333360L2E1M2	360	288	441	688	708	728	753	789	867	934	1025	1160	934	1025	
MCA444360L2E1M2**	360	288	441	688	708	728	753	789	867	934	1025	1160	1001	1099	
MCAE444336L2E1M2**	336	269	411	642	661	679	702	735	809	871	956	1082	934	1025	
MCAE444360L2E1M2**	360	288	441	688	708	728	753	789	867	934	1025	1160	1001	1099	

* Residual voltage correction factor as per IEC recommendation 10kV/10kA/m

** For MCA4 refer CESI test report A5/006097