

Polymer Surge Arresters

Distribution Class

Heavy Duty & Riser Pole Type



Polymer Surge Arrester Distribution Class

Arresters are protection devices designed to limit overvoltage transient waves caused by a temporary current discharge.

Celeco arresters are manufactured in Monterrey, Mexico with the highest quality components according IEC60099-4 & IEEE C62.11, and for safety with a non-fragmenting design.

Heavy Duty distribution arrester

The Celeco heavy duty arresters are designed to limit over voltage with MOV technology and silicon rubber housing to protect electric equipment, transformers and networks.



TECHNICAL DATA

ITEM Fig. 1	ITEM Fig. 2	Reference Code	Arrester rating [kV rms]	MCOV	Weight (lb) Fig.1 / Fig. 2	Minimum creep distance (in)
B2033	B2036	HSCEL3	3	2.55	5.6/3.2	8.27
B2017	B2037	HSCEL6	6	5.1	6.1/3.7	12.36
B1929	B1867	HSCEL9	9	7.65	6.7/4.3	14.26
B1930	B1868	HSCEL10	10	8.4	6.8/4.4	14.26
B1931	B1869	HSCEL12	12	10.2	7.2/4.8	16.54
B1932	B1925	HSCEL15	15	12.7	8.3/5.9	25.59
B1933	B1870	HSCEL18	18	15.3	8.5/6.1	25.59
B1934	B1871	HSCEL21	21	17	8.7/6.3	25.59
B2034	B2038	HSCEL24	24	19.5	8.9/6.5	25.59
B2069	B1872	HSCEL27	27	22	10.0/7.6	33.46
B2070	B1873	HSCEL30	30	24.4	10.2/7.8	33.46
B2035	B2039	HSCEL36	36	29	10.5/8.1	33.46

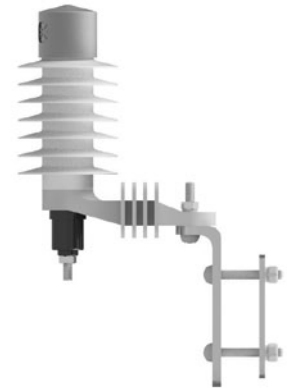


Figure 1.
NEMA cross-arm.

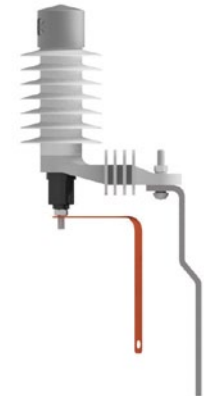


Figure 2.
Transformer bracket.

NOTE: If you do not see a hardware configuration or you have a special request for your intended application please contact any of our representatives.

ITEM	Reference Code	Voltage rating [kV]	Lightning impulse 1.2/50 μs [kV crest]	Max. discharge voltage [kV-crest]							
				FOW	08/20μs current impulse						Switching surge
					1.5 kA	3.0 kA	5.0 kA	10 kA	20 kA	40 kA	
B2033/B2036	HSCEL3	3	78	10.2	7.6	8.2	8.6	9.3	10.7	12.9	7.1
B2017/B2037	HSCEL6	6	95	20.5	14.8	16.1	17.1	18.6	21.4	25.4	14.4
B1929/B1867	HSCEL9	9	110	30.6	21.9	23.2	24.5	26.7	30.0	34.7	21.2
B1930/B1868	HSCEL10	10	110	33.6	24.9	26.6	28.2	30.7	34.5	39.9	23.7
B1931/B1969	HSCEL12	12	125	40.8	28.8	30.9	32.7	35.6	40.4	47.6	26.3
B1932/B1925	HSCEL15	15	150	51	36.0	38.5	40.8	44.5	50.6	59.6	33.9
B1933/B1870	HSCEL18	18	150	61.2	43.4	46.3	49.0	53.4	60.7	70.5	40.5
B1934/B1871	HSCEL21	21	150	71.4	50.9	54.0	57.1	62.3	70.6	82.4	46.1
B2034/B2038	HSCEL24	24	150	82.2	57.7	61.7	65.4	71.3	81.0	95.5	54.8
B2069/B1872	HSCEL27	27	200	91.8	64.8	69.5	73.5	80.1	91.0	107.3	62.3
B2070/B1873	HSCEL30	30	200	102	72.3	77.3	81.8	89.0	101.1	118.2	67.9
B2035/B2039	HSCEL36	36	200	122.8	88.3	94.6	100.1	109.2	124.1	146.2	81.8

Riser Pole Arrester Distribution Class

Celeco Riser Pole Arresters are also Distribution Class devices with an improved performance characteristic on residual voltage thus providing an enhanced protection against overvoltage events in electric grids.

This type of arresters are usually intended to protect underground networks due to its upgraded protective performance.

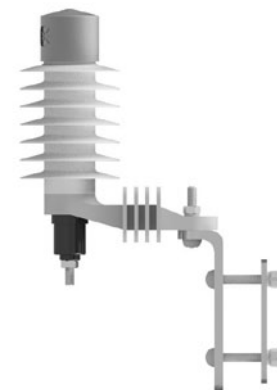


Figure 1.
NEMA cross-arm.

TECHNICAL DATA

ITEM Fig. 1	ITEM Fig. 2	Reference Code	Arrester rating (kV rms)	MCOV (kV)	Weight (lb) Fig. 1 / Fig. 2	Minimum creep distance (in)
B1935	B2071	RPCEL3	3	2.55	5.6/3.2	8.27
B1936	B2072	RPCEL6	6	5.10	6.01/4.21	12.36
B1937	B1928	RPCEL9	9	7.65	6.07/4.3	14.26
B1938	B1914	RPCEL10	10	8.40	6.8/4.4	14.26
B1939	B1915	RPCEL12	12	10.20	7.2/4.8	16.54
B1940	B1927	RPCEL15	15	12.70	8.3/5.9	25.59
B1941	B1916	RPCEL18	18	15.30	8.5/6.1	25.59
B1942	B1917	RPCEL21	21	17.00	8.7/6.3	25.59
B2080	B2082	RPCEL24	24	19.50	8.9/6.5	25.59
B1943	B1918	RPCEL27	27	22.00	10.0/7.6	33.46
B1944	B1919	RPCEL30	30	24.40	10.2/7.8	33.46
B2081	B2083	RPCEL36	36	29.00	10.5/8.1	33.46



Figure 2.
Transformer bracket.

NOTE: If you do not see a hardware configuration or you have a special request for your intended application please contact any of our representatives.

ITEM	Reference Code	Voltage rating (kV)	Lightning impulse 12/50 μs (kV crest)	Max. discharge voltage (kV-crest)							
				FOW	08/20μs current impulse						Switching surge
					1.5 kA	3.0 kA	5.0 kA	10 kA	20 kA	40 kA	
B1935/B2071	RPCEL3	3	78	9.5	7.0	7.3	7.7	8.2	9.2	10.5	5.3
B1936/B2072	RPCEL6	6	95	19	14.1	14.5	15.3	16.4	18.3	21.0	11.5
B1937/B1928	RPCEL9	9	110	27.2	20.0	20.9	21.9	23.5	26.2	30.1	16.5
B1938/B1914	RPCEL10	10	110	30.9	22.7	23.8	24.9	26.7	29.8	33.0	19.7
B1939/B1915	RPCEL12	12	125	40	29.5	30.9	32.2	34.6	37.8	43.3	24.3
B1940/B1927	RPCEL15	15	150	45.5	33.5	35.0	36.5	39.3	43.0	49.1	27.5
B1941/B1916	RPCEL18	18	150	57	42.1	43.9	45.7	49.2	53.8	61.1	36.9
B1942/B1917	RPCEL21	21	150	63	47.2	49.3	51.2	55.1	60.3	68.2	41.7
B2080/B2082	RPCEL24	24	150	72.3	53.8	56.2	58.5	62.9	68.8	78.0	47.1
B1943/B1918	RPCEL27	27	200	82	60.5	63.0	65.5	71.1	78.6	90.4	54.2
B1944/B1919	RPCEL30	30	200	91	67.8	70.8	73.7	79.9	88.3	100.5	62.6
B2081/B2083	RPCEL36	36	200	110.7	81.7	85.3	88.8	96.3	106.4	119.6	75.4



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