

Polymeric DC Traction Surge Arrester



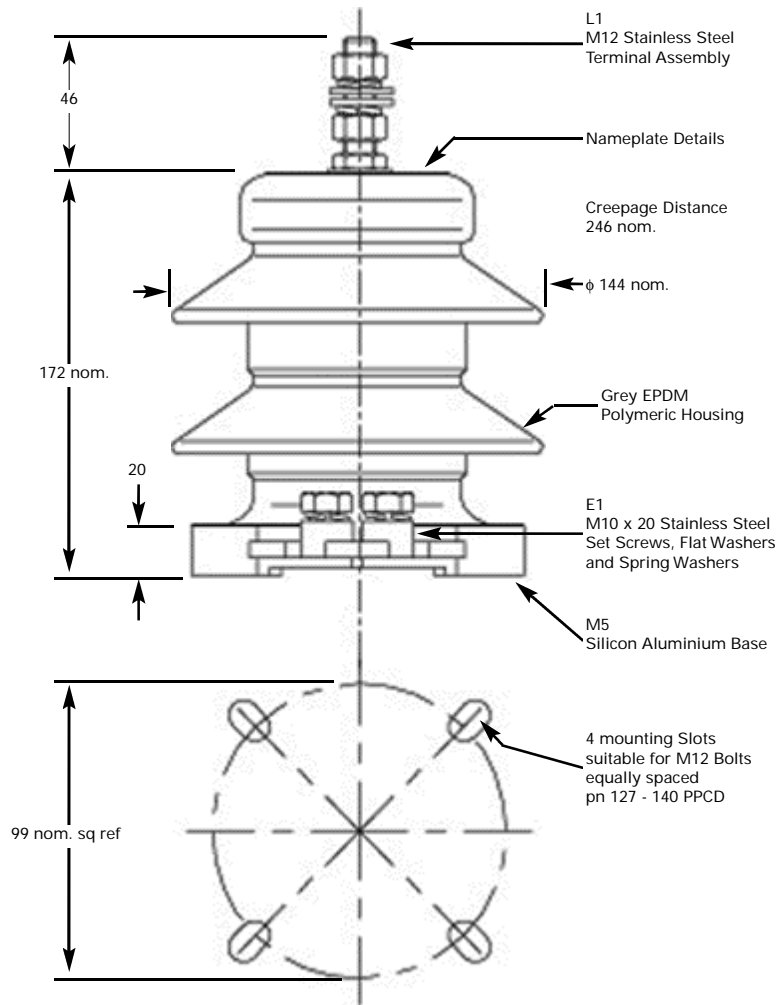
DC Traction

Main Features

The arrester has a 10kA nominal discharge current and 100kA duty cycle performance to EN 50123-5-2003. The patented void free construction of this arrester design results in a unit with strength which is impervious to the ingress of moisture.

The arrester has the following features:

- No internal airspace so no moisture ingress
- Vandal proof
- High cantilever and torsional strength
- Non-explosive failure mode
- Low weight and small size
- Resistant to transport damage and careless handling
- Easy to install



Overall Height and Fixing Centres

Electrical Performance

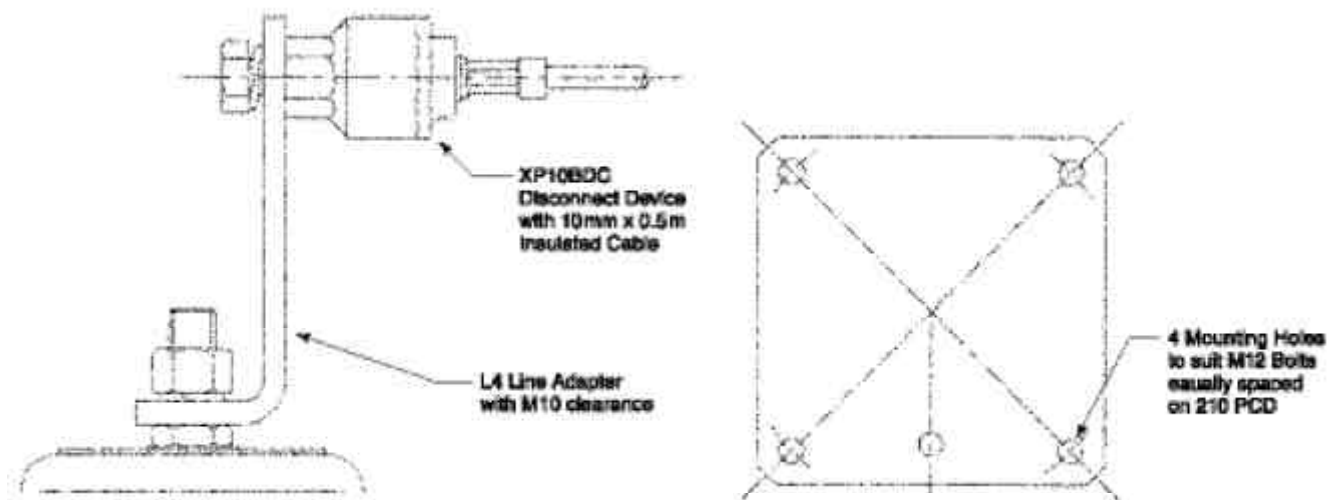
Classification (8/20 μ s nominal discharge current)	-10,000 Amps
Voltage Rating	-1kV to 4.9kV DC
High Current Operation Duty	-100kA 4/10 μ s
High Current Single Impulse Energy	- 2.3kJ/kV at Ur

Operating Duty Cycle - 2 shots hi-current followed by the voltage profile Ur (300s) then Uc- (1800s) as per EN50123-5 2003 clause 4.7.5.4 and figure 4.1 to prove thermal stability.

Protective Characteristics

Arrester	Max kV DC	Switching Impulse		Lightning Impulse Residual Voltage							Steep Impulse 10kA kV pK	Net Weight kg
		125A kV pK	500A kV pK	100A	200A	1.0kA	2.5kA	5.0kA	10kA	20kA		
HE60MC07	1.0	1.84	1.95	1.82	1.88	2.04	2.17	2.27	2.48	2.73	2.73	3.4
HE60MC10	1.4	2.76	2.91	2.73	2.85	3.06	3.25	3.39	3.71	4.08	4.08	3.4
HE60MC15	2.0	3.69	3.89	3.64	3.76	4.08	4.34	4.53	4.96	5.45	5.45	3.6
HE60MC18	2.1	4.24	4.46	4.18	4.32	4.68	4.98	5.20	5.69	6.26	6.25	3.6
HE60MC20	2.8	5.52	5.82	5.46	5.70	6.12	6.50	6.78	7.42	8.16	8.16	3.7
HE60MC30	4.0	7.38	7.79	7.28	7.51	8.17	8.68	9.06	9.92	10.9	10.9	3.6
HE60MC39	4.9	9.33	9.74	9.10	9.39	10.2	10.9	11.9	12.4	13.6	13.7	4.0

Optional Fixings



L4 Line Adaptor and XP10BDC Disconnect Device

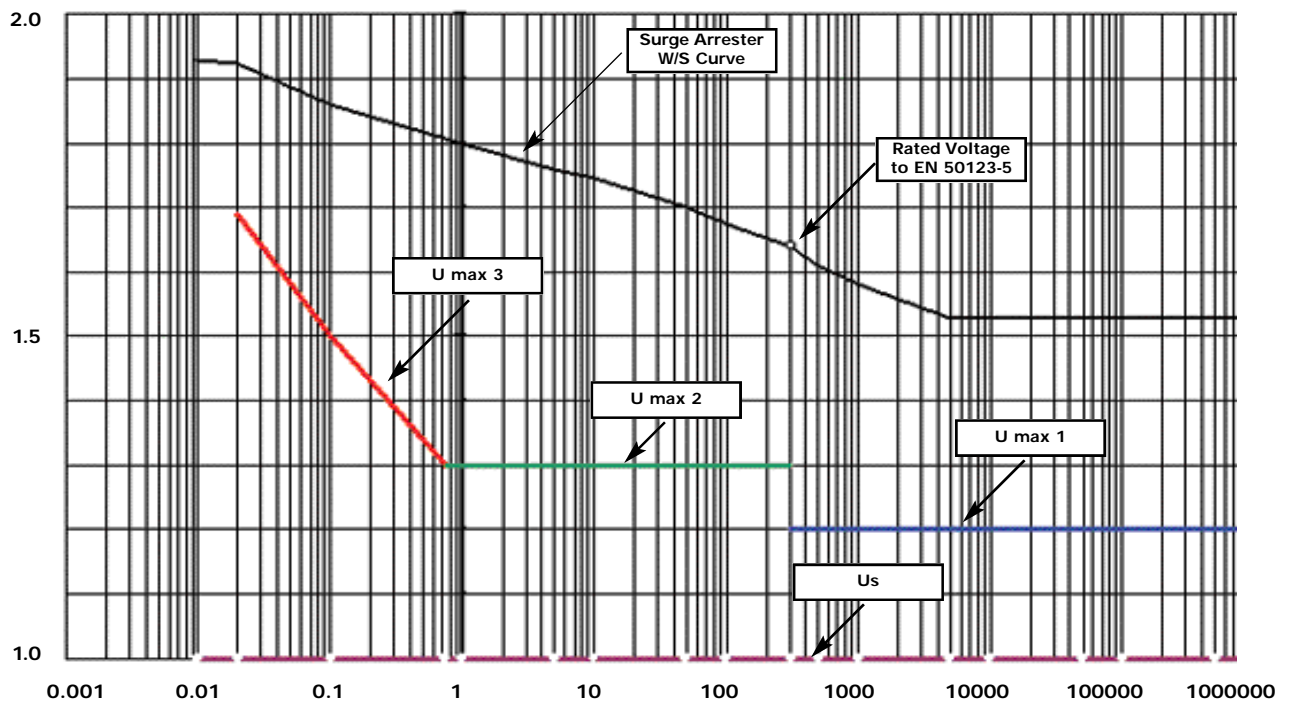
Any Disconnect Device supplied may be required to be packed and stowed separately.

Please note that an Export License is required for this item.

M8 Adaptor Base Plate

Example of Withstand Curve

HE60MC15 Minimum Withstand Curve after 4.6kJ Energy Absorption



- U max 3 Medium Term system voltage (TOV)
- U max 2 Highest Non-Permanent system voltage
- U max 1 Highest Permanent system voltage
- Us Nominal system voltage



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.