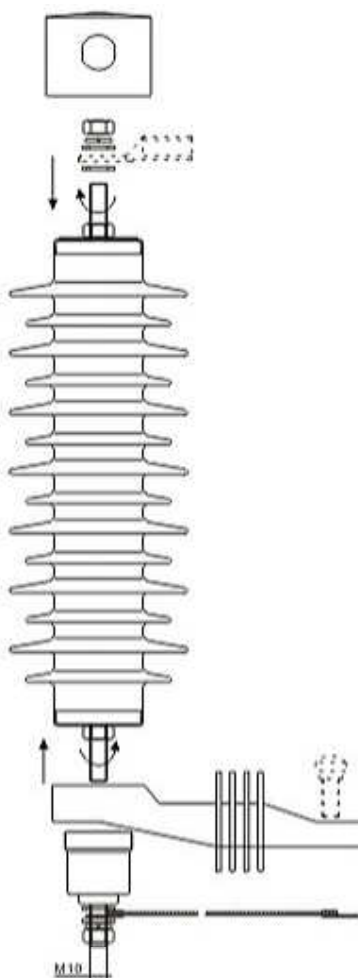




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CANTOR H.V. ELECTRIC MANUFACTURING

**POLYMER HOUSED METAL OXIDE
SURGE ARRESTER WITHOUT GAPS
USER'S MANUAL**



WENZHOU CANTOR H.V.ELECTRIC MANU FACTURING CO.,LTD
ADD:SANTIAOQIAO INDUSTRIAL ZONE LIUSHI YUEQING ZHEJIANG CHINA
TEL:0086-577-62767802 62767802 FAX:0086-577-62767819
www.cantor.com E-mail:cantor@cantor.com PC:325604

1. APPLICATION

Polymer housed metal oxide surge arrester without gaps (Abbreviation: MOA) type YH5/10W-3 ~ 42 is applied to protect 3 ~ 42kV electrical transport equipment from damage by atmosphere over-voltage and operation over-voltage. The outdoor normal application conditions are as following:

- ◆ Ambient air temperature within the range of -40°C to +45°C.
- ◆ Altitude not exceed 2000m.
- ◆ Maximum wind speed not exceed 35m/s.
- ◆ Earthquake intensity not exceed 7 magnitude.
- ◆ Max pull force of conductor on the top of MOA is 147N.
- ◆ Frequency of the A.C. power supply not less than 48Hz and not exceed 62Hz.
- ◆ Power frequency voltage applied continuously between the terminals of the MOA not exceed its continuous operating voltage.

2. TECHNICAL PERFORMANCE AND PARAMETER

- ◆ The technical performance of MOA is accord with IEC60099-4.
- ◆ Technical parameter

Type	Ur (kV)	Uc (kv)	In (kA)	2ms rectangular Current(A)	4/10 μ s high current impulse(kA)
YH5/10W-42	42	33.6	5/10	150/250	65/100
YH5/10W-36	36	29	5/10	150/250	65/100
YH5/10W-33	33	26.7	5/10	150/250	65/100
YH5/10W-30	30	24.4	5/10	150/250	65/100
YH5/10W-27	27	22.0	5/10	150/250	65/100
YH5/10W-24	24	19.5	5/10	150/250	65/100
YH5/10W-21	21	17.0	5/10	150/250	65/100
YH5/10W-18	18	15.3	5/10	150/250	65/100
YH5/10W-15	15	12.7	5/10	150/250	65/100
YH5/10W-12	12	10.2	5/10	150/250	65/100
YH5/10W-9	9	7.65	5/10	150/250	65/100
YH5/10W-6	6	5.1	5/10	150/250	65/100
YH5/10W-3	3	2.55	5/10	150/250	65/100

3. INSTALLATION

- ◆ To fix the bracket on the wood or steel cross stick.
- ◆ Top side of MOA shall be connected with high-voltage conductor, the disconnector of bottom side of MOA shall be connected with counter. The counter shall connect with ground directly.
- ◆ Installing drawing see the cover.

4. NOTICE

- ◆ MOA shall never be affected by infection and damage due to transport and store. Especially can't damage the main body. If an accident is happened, it must be examined to ensure the inside structure is fine and then it can be installed.
- ◆ Manufacturer will responsible for the quality problems if MOA is used at normal conditions.