

## Technical Parameter for 35kV Polymer Housing Metal Oxide surge arrester (Outdoor)



| No. | Items   | Technical parameters |
|-----|---|----------------------|
| 1   | Type  | Outdoor              |
| 2   | Part No.  | YH5WZ-51/134         |
| 3   | Rated Voltage   | 51kV                 |
| 4   | Maximum Continuous Operation Voltage<br>(Effective Value) | 40.5kV               |
| 5   | Nominal Discharge Current                                 | 5kA                  |

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|-----|--|----------------------|
| 6   | 1/5(s Steep current residual voltage (peak)<br>≤ 5kA             | 154kV                |
| 7   | 8/20(s Lightning impulse current residual<br>voltage (peak) ≤5kA | 134kV                |
| 8   | 30/60(s Operating impulse residual voltage<br>(peak) ≤ 5kA       | 114kV                |
| 9   | Reference voltage At D.C. U <sub>1mA</sub> ≥                     | 73kV                 |
| 10  | Leaking current At D.C.0.75 U <sub>1mA</sub> ≤                   | 10μA                 |
| 11  | 2ms Rectangular current withstand<br>20times                     | 250A                 |
| 12  | 4/10(s Short-time withstand current(peak)                        | 65kA                 |
| 13  | Transmission line Discharge Level                                | 1                    |
| 14  | Total Energy absorption capacity(Ratio :<br>kJ/kV)               | 3                    |
| 15  | Sleeves Insulation Resistance capacity                           | >75kV                |
| 16  | Wiring panel permissible load<br>Level safety factor             | 150N<br>≥2.5         |
| 17  | System Connecting Method   | Phase to Earth       |