Customer Instructions

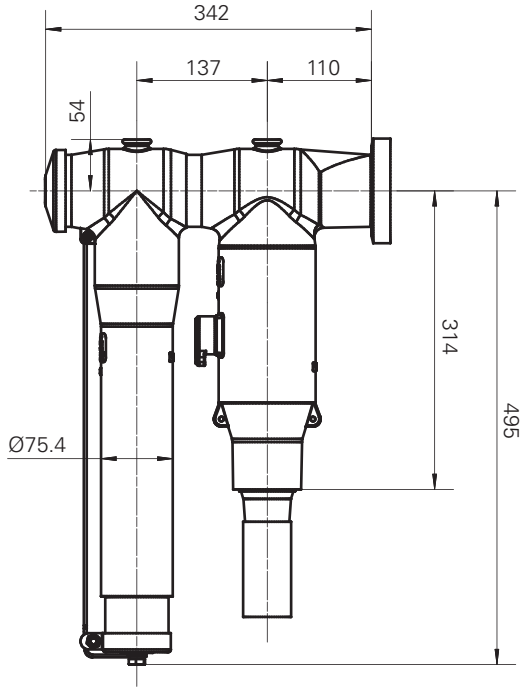
Preventive test shall be applied to surge arrester before energized or after 1 year running.

Test items as below:

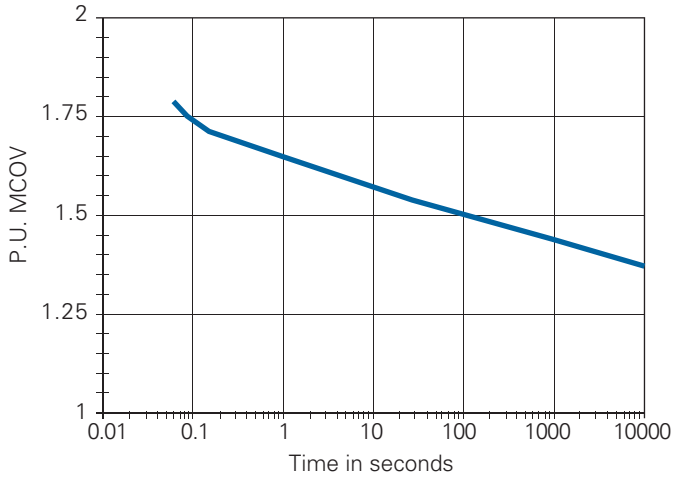
- DC 1mA reference voltage. Both end of the surge arrester applies DC voltage, when the current flows the arrester stabilize at 1mA, the voltage displayed should not less than 95% of the value give out by the manufacture.
- Leakage current test: Applies 0.75 times of the DC 1mA reference voltage on both end of the surge arrester, the current flows the arrester measured shall not bigger than 50μA.
- AC Withstand test and discharge test are forbidden.

Dimensional Information

(all dimensions are in mm)



TOV Curve at 85°C



IEC Separable Connector

IEC deadfront surge arrester cooperates with DTS624S/DTS617 connector

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The deadfront surge arrester combines metal (zinc) oxide varistor technology in a pre-molded rubber Bushing Tee to provide overvoltage system protection in an insulated, fully shielded, submersible, deadfront device.

The arrester housing interface conforms to Eaton Bushing Tee Specification. The arrester housing is molded of EPDM insulating rubber, which provides deadfront safety in a transformer or cabinet. Deadfront surge arresters are used on underground systems in transformerand entry cabinets, vaults, switching enclosures and other installations to provide shielded deadfront arrester protection.

Technical advantages

- Anti-explosion and fall out function
- A complete range for 9kV to 45kV
- Use advanced disk technology, meet new IEC standard
- Suitable for offshore windfarm, photovoltaic and other extreme conditions
- 4/10 μs high current impulse reach 100kA
- Low residual voltage and fast response ability

Standards

- IEC 60099-4:2014 Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems.

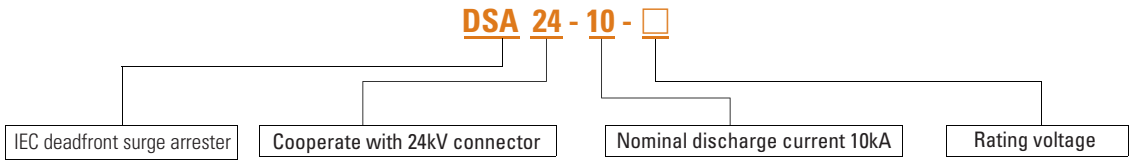
Operating conditions

- Ambient temperature: -40℃~+65℃
- Altitude: lower than 1000m
- Power frequency: 48~62Hz
- The voltage between arrester terminals should not exceed the MCOV

Electrical Ratings

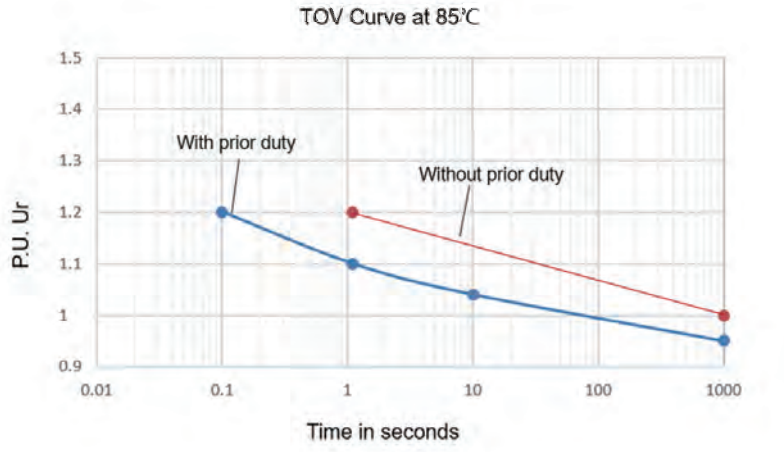
Part Number	Nominal discharge current(kA)	Rating voltage(kV)	Lighting impulse residual voltage(kV)	Continuous voltage (kV)	DC 1mA reference voltage(kV)	Repetitive charge transfer rating, Qrs≥0.4(C)	4/10 μs high current impulse (kA)
DSA24-10-09	10	9	≤26	7.2	13	≥1.1*0.4	100
DSA24-10-12	10	12	≤34	9.6	17.2	≥1.1*0.4	100
DSA24-10-15	10	15	≤43	12	21.5	≥1.1*0.4	100
DSA24-10-18	10	18	≤51	14.4	25.8	≥1.1*0.4	100
DSA24-10-22	10	22	≤63	17.6	31.5	≥1.1*0.4	100
DSA24-10-24	10	24	≤68	19.2	34.4	≥1.1*0.4	100
DSA24-10-27	10	27	≤76	21.6	38.7	≥1.1*0.4	100
DSA24-10-30	10	30	≤85	24	43	≥1.1*0.4	100
DSA24-10-33	10	33	≤93	26.4	47.3	≥1.1*0.4	100
DSA24-10-36	10	36	≤102	28.8	51.6	≥1.1*0.4	100
DSA24-10-39	10	39	≤110	31.2	55.9	≥1.1*0.4	100
DSA24-10-42	10	42	≤119	33.6	60.2	≥1.1*0.4	100
DSA24-10-45	10	45	≤127	36	64.5	≥1.1*0.4	100

Order information



Package information

- Arrester main body
- Rod
- Silicone grease
- Wiper
- Installation manual
- Insulation cap



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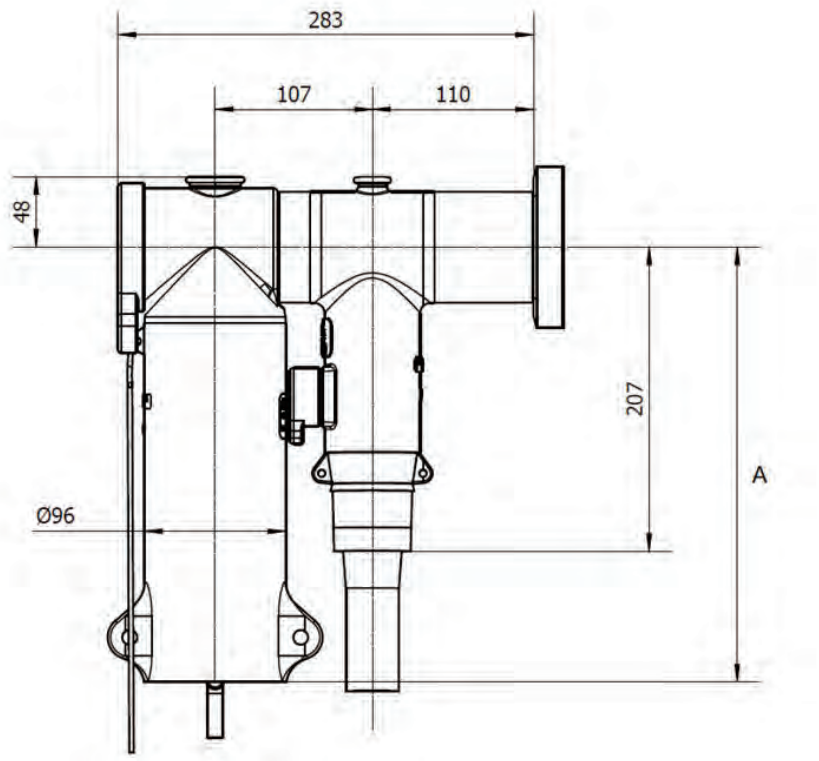

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Part number	A
DSA24-10-09	
DSA24-10-12	
DSA24-10-15	
DSA24-10-18	297
DSA24-10-22	
DSA24-10-24	
DSA24-10-27	
DSA24-10-30	
DSA24-10-33	
DSA24-10-36	
DSA24-10-39	387
DSA24-10-42	
DSA24-10-45	