

## ASM SERIES Silicone Housed Gapless Surge Arrester



### FEATURES

- LSR Silicone housing
- Superior hydrophobic properties
- High mechanical strength
- Excellent environmental resilience e.g. to ozone, ultra violet radiation, heat etc
- Stable operating characteristics
- Operating temperature range -55°C to +55°C
- Complete range of installation accessories available
- RoHS Compliant

The ASM Series 10kA Class1 arrester is a Metal-Oxide based surge protection device designed for use in ac power distribution systems.

The arresters are designed and manufactured within an ISO9001:2000 quality system. This ensures reliable and predictable mechanical integrity and stability of electrical performance.

The arrester is fully tested and approved to meet the requirements of EN 60099-4 : 2004.



No: GB05/66964

## Operating Specifications for the ASM Series

Type	Rated Voltage Ur	Continuous Operating Voltage Uc	Residual Voltage at Nominal Discharge Current In	Residual Voltage at Steep Current Impulse	Residual Voltage at Switching Impulse 500A	Maximum Creepage Distance L	Height H
	kVrms	kVrms	kVmax	kVmax	kVmax	mm	mm
ASM 04	5.0	4.0	13.5	14.5	10.0	250	136
ASM 05	6.3	5.0	17.0	18.3	12.6		
ASM 06	7.5	6.0	20.3	21.8	15.0		
ASM 07	8.8	7.0	23.8	25.5	17.6	370	186
ASM 08	10.0	8.0	27.0	29.0	20.0		
ASM 09	11.3	9.0	30.5	32.8	22.6		
ASM 10	12.5	10.0	33.8	36.3	25.0		
ASM 11	13.8	11.0	37.3	40.0	27.6		
ASM 12	15.0	12.0	40.5	43.5	30.0		
ASM 13	16.3	13.0	44.0	47.3	32.6	490	236
ASM 14	17.5	14.0	47.3	50.8	35.0		
ASM 15	18.8	15.0	50.8	54.5	37.6		
ASM 16	20.0	16.0	54.0	58.0	40.0		
ASM 17	21.3	17.0	57.5	61.8	42.6		
ASM 18	22.5	18.0	60.8	65.3	45.0		
ASM 19	23.8	19.0	64.3	69.0	47.6	610	286
ASM 20	25.0	20.0	67.5	72.5	50.0		
ASM 21	26.3	21.0	71.0	76.3	52.6		
ASM 22	27.5	22.0	74.3	79.8	55.0		
ASM 23	28.8	23.0	77.8	83.5	57.6		
ASM 24	30.0	24.0	81.0	87.0	60.0		
ASM 25	31.3	25.0	84.5	90.8	62.6	730	336
ASM 26	32.5	26.0	87.8	94.3	65.0		
ASM 27	33.8	27.0	91.3	98.0	67.6		
ASM 28	35.0	28.0	94.5	101.5	70.0		
ASM 29	36.3	29.0	98.0	105.3	72.6		
ASM 30	37.5	30.0	101.3	108.8	75.0		
ASM 33	41.3	33.0	111.5	119.0	82.6	850	386
ASM 36	45.0	36.0	121.5	130.5	90.0		

### Characteristics:

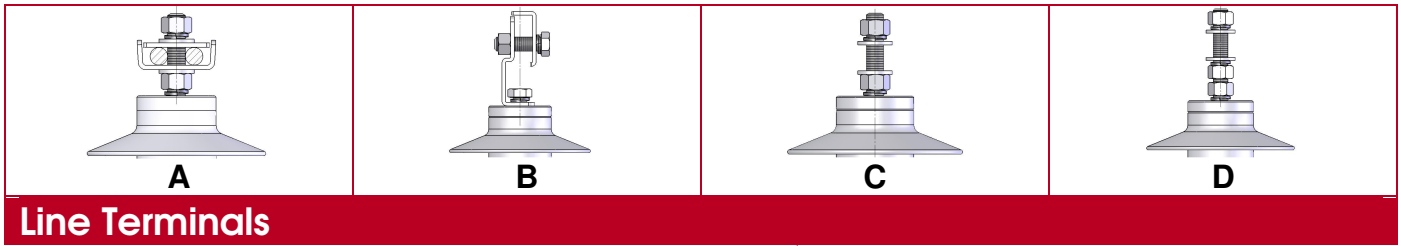
Rated Frequency	48-62Hz
Operating Conditions	Normal
Nominal Discharge Current	10kA
Line Discharge Class	1
Long Duration Discharge Current	280A (2ms)
High Current Impulse 4/10µs	100kA
Short-circuit Withstand Current	31.5kA (200ms)
Energy Absorption Capability E (kJ) / 1kV (U <sub>i</sub> )	3.5kJ

### Loading Capability:

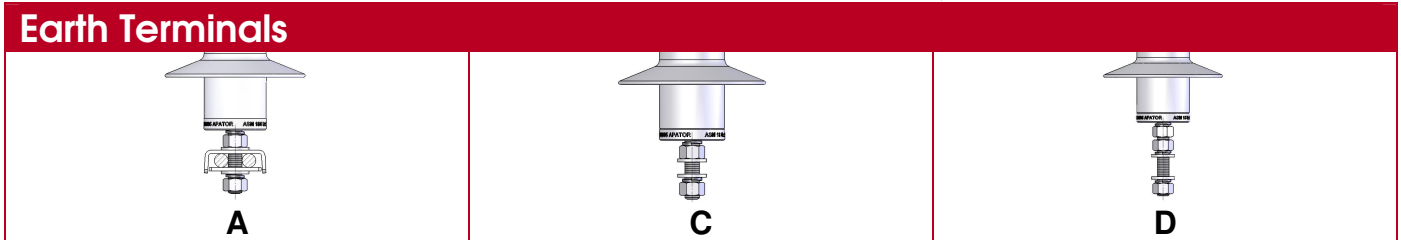
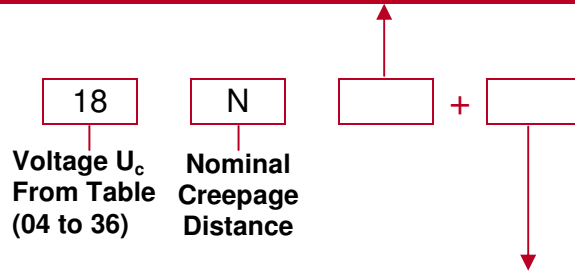
Bending Moment	250Nm
Torque Moment	50Nm
Load Capacity	625N

*The manufacturer operates a policy of continual development and therefore specifications in this publication are subject to change without prior notification.*

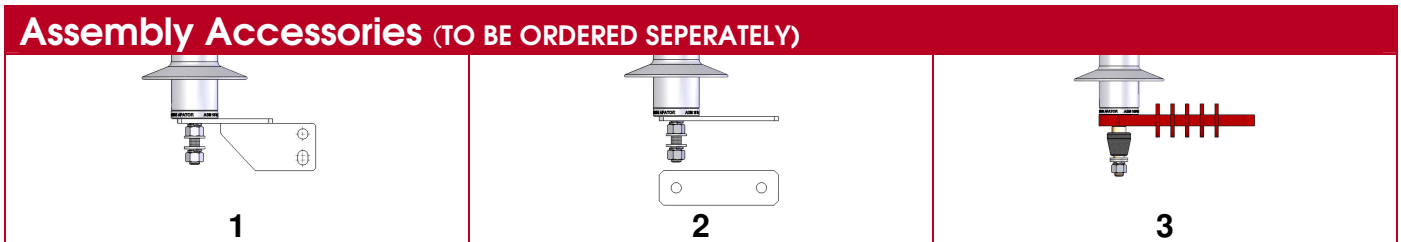
## Ordering Information



### Line Terminals



### Earth Terminals



### Assembly Accessories (TO BE ORDERED SEPERATELY)

#### Ordering Example

**ASM 18 N 490 + A + C**

- ASM** - Arrestor Type
- 18** -  $U_c$
- 490** - Nominal Creepage Distance
- A** - Line Terminal "A"

#### Contacts

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