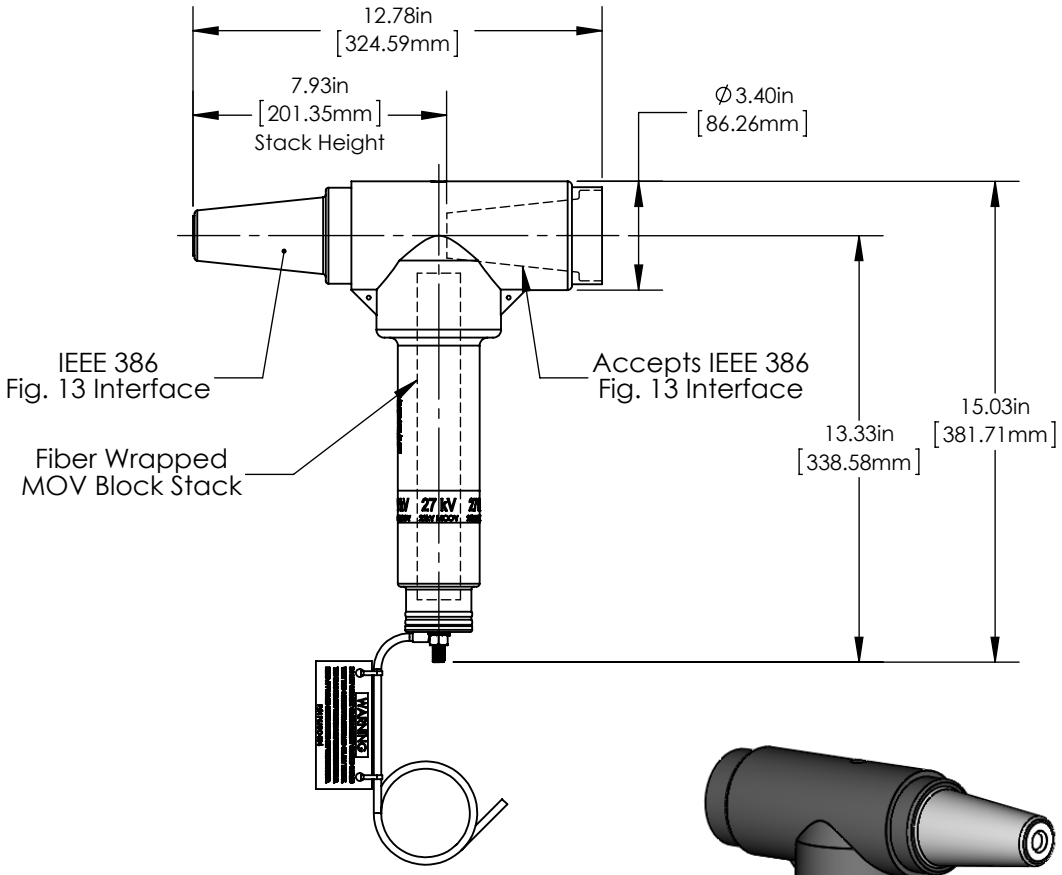
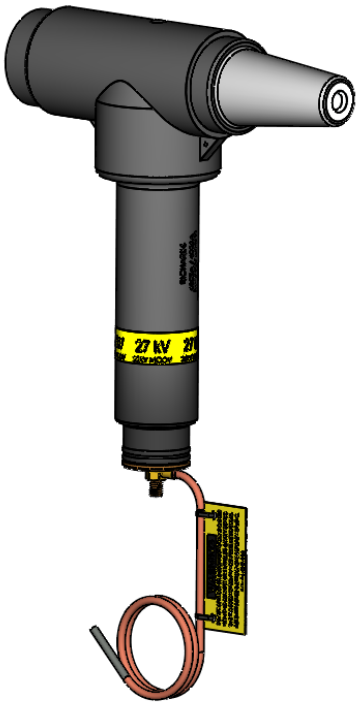
Richards MANUFACTURING CO.
517 Lyons Ave.
Irvington, NJ 07111
Phone: 973 371-1771
Fax: 973 371-4304
www.richards-mfg.com

Product Specifications

35 kV 600A R-Stack Surge Arrester





Richards 35 kV 600A R-Stack Surge Arrester (63RSA) is an elbow surge arrester with a connecting plug molded directly into the elbow body. The 63RSA is designed to protect medium voltage equipment and underground cable from voltage surges caused by lightning and switching transients.

The 63RSA utilizes gapless metal oxide varistor technology in a fully shielded, fully submersible peroxide-cured EPDM rubber housing. The 63RSA has a captive fastener which allows for easy installation on standard 35 kV 600A apparatus bushings that meet IEEE Std. 386. The pre-installed 42" #4 AWG braided copper ground lead reliably carries the surge current to ground during a system transient.

Richards 35 kV 600A R-Stack Surge Arrester (63RSA) was designed and Certified against the latest version of the following industry standards:

- ANSI/IEEE Std. 386: For Separable Insulated Connector Systems
- ANSI/IEEE C62.11: For Metal-Oxide Surge Arresters

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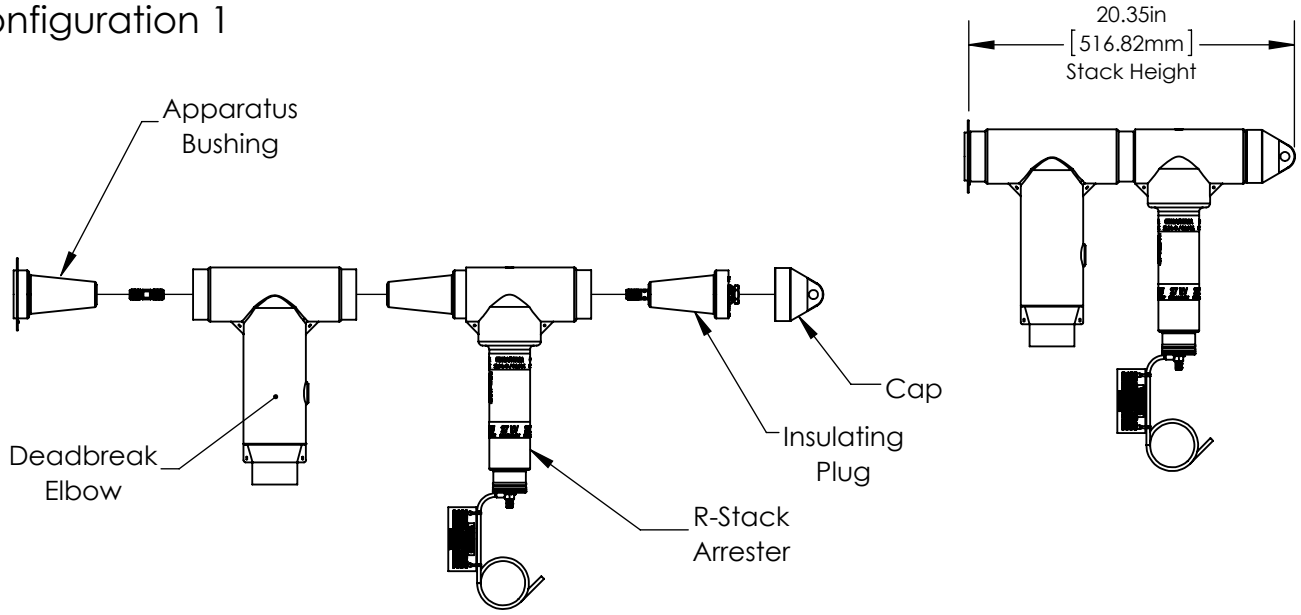
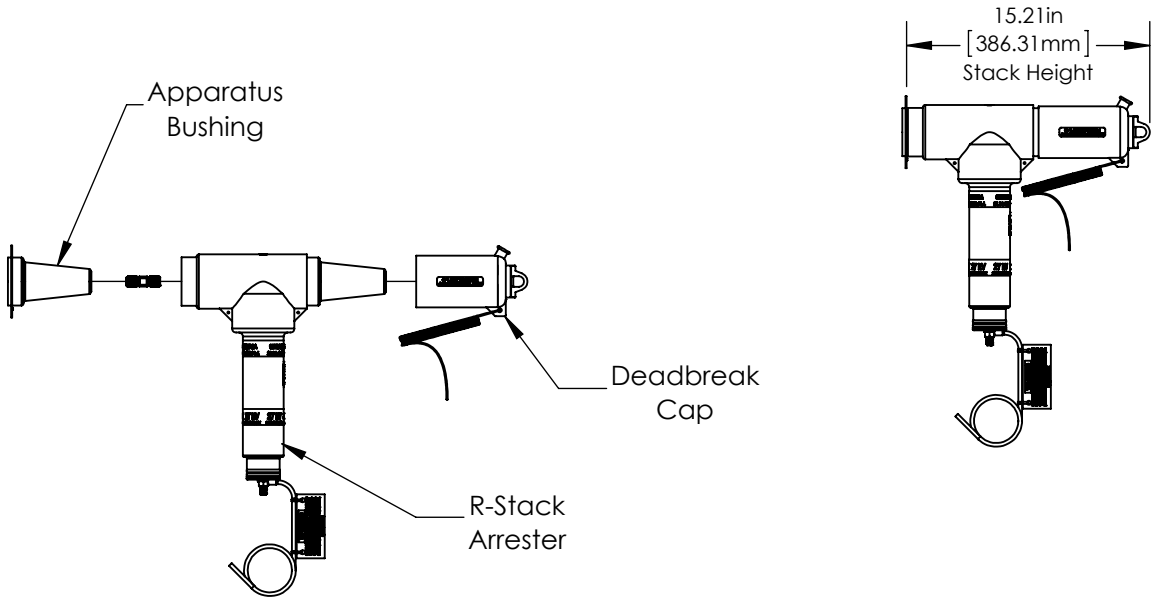
35 kV 600A R-Stack Surge Arrester
Installation Configurations

Configuration 1



Configuration 2



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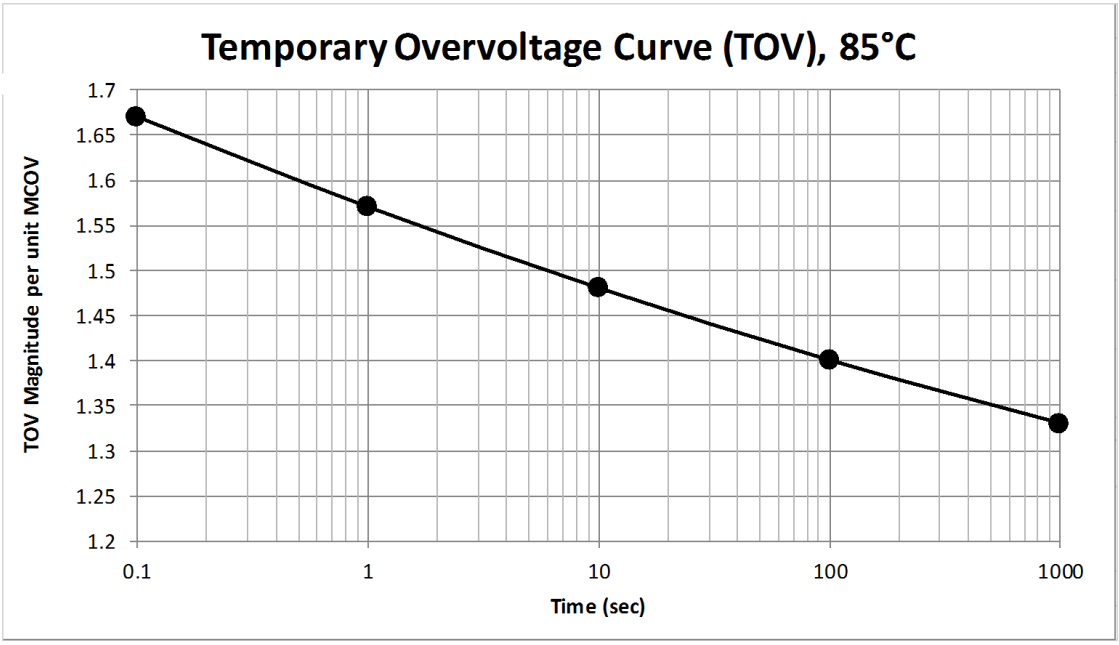

Performance Characteristics	
Arrester Class	Normal Duty
High Current Short Duration	65 kA, 4 x 10µsec
Low Current Long Duration	75 A, 2000µsec
Duty Cycle	5 kA, 8 x 20µsec

Product Selection

Catalog Number	Duty Cycle Rating (kV)	MCOV (kV)	Equivalent Front-of-Wave (kV crest)	Maximum Discharge Voltage (kV crest) 8 x 20 microsecond current wave				
				1.5 kA	3 kA	5kA	10 kA	20 kA
63RSA-24	24	19.5	83.1	69.2	73.2	77.7	85.5	97.1
63RSA-27	27	22.0	93.5	77.9	82.3	87.4	96.1	109.2
63RSA-30	30	24.4	103.9	86.5	91.5	97.1	106.8	121.4