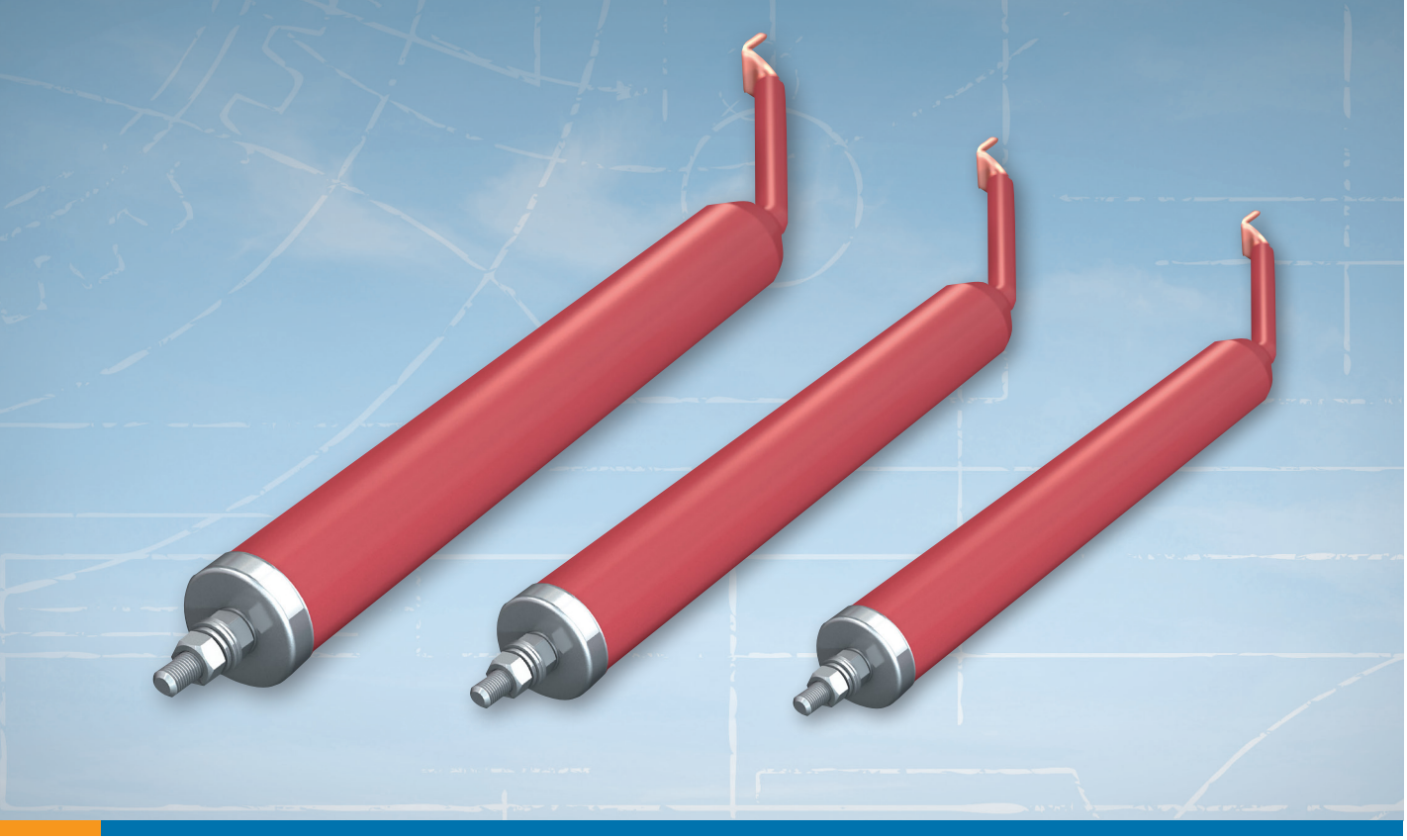

MEDIUM VOLTAGE SURGE ARRESTER RDA SERIES

KEY FEATURES

- Maintenance free
- Superior TOV performance
- High energy handling capability
- Tested in accordance with IEC60099-4
- Superior protection margins
- Excellent cantilever and tensile performance
- Excellent mechanical, vibration and impact withstand capability

TE Connectivity's (TE) Raychem pioneered the development of the compact RDA arrester. It has high mechanical strength and is fully track resistant and can provide flashover resistance in damp indoor conditions.

Modern gas-insulated switchgear connected to combined underground and overhead distribution systems are sensitive to effects like transient voltage doubling. An arrester installed right at the cable end juncture will clamp the voltage to a level which does not put the switchgear at risk.

The RDA surge arrester, together with the Raychem RICS connection system for gas-insulated switchgear, facilities at hermetically sealed integration of the arrester and the cable termination to be connected to a switchgear. Compact design and easy installation are the special features of this product line. With over 40 years proven global core of the RDA arrester uses an improved ZnO varistor disk, which has superior thermal and electrical characteristics and stability.

TE's Raychem RDA surge arresters have been designed and tested to meet IEC60099-4 international standards. This new varistor and design combination results in superior energy handling and TOV performance. The wrapped structural construction offers a light weight product with high mechanical strength.

Applications for the RDA include protection of gas-inssulated medium voltage switchgear systems and equipment from lightning and switching surge related over-voltages in areas with relatively high iso-keraunic levels.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Medium Voltage Surge Arrester - RDA Series



High quality design and manufacturing.
ISO 9001 and 14001 compliant.

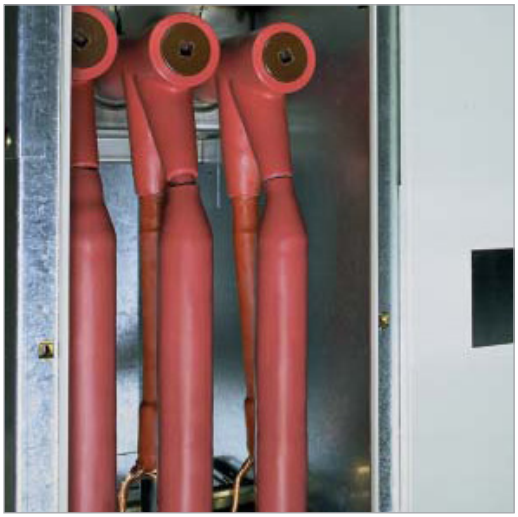

TABLE 1: TECHNICAL DATA	
Rated discharge current (8/20µs)	10 kA
Line discharge class 1 according to	IEC 60099-4, class 1
Operating duty impulse withstand current (4/10µs)	100 kA
Long duration current impulse (2000µs)	400 A
10 second TOV, (U_{TOV}/ Uc)	1,3
High current short circuit: (pre-failing method) (Safe non-shattering failure mode)	16 kA
Energy line discharge impulse high current impulse	2.0 kJ/kV Uc 3.2 kJ/kV Uc
Cantilever	200 Nm
Tensile	1000 N
Torque	58 Nm

TABLE 2: PRODUCT SELECTION INFORMATION

		U_C	U_R	Residual Voltage - kV (Using IEC Standard Impulses)				
				Lighting - [8/20 µs]			Steep Lighting - [1/20 µs]	Switching - [30/60 µs]
Description	Height (mm)	kV	kV	at 10 kA	at 20 kA	at 40 kA	at 10 kA	at 500 A
RDA-06	134	6	7,5	19,9	21,9	24,9	21,3	15,6
RDA-07	141	7	8,75	23,2	25,5	29,1	24,9	18,2
RDA-09	163	9	11,25	29,9	32,8	37,4	32,0	23,4
RDA-10	175	10	12,5	33,2	36,4	41,6	35,6	26,0
RDA-12	195	12	15	39,8	43,7	49,9	42,7	31,2
RDA-15	296	15	18,75	49,8	54,6	62,4	53,4	39,0
RDA-18	326	18	22,5	59,8	65,5	74,9	64,1	46,8
RDA-21	356	21	26,25	69,7	76,4	87,4	74,8	54,6
RDA-24	400	24	30	79,7	87,4	99,8	85,4	62,4
RDA-26	398	26	32,5	86,3	94,6	108,2	92,6	67,6

U_C = continuous operating voltage
U_R = Rated voltage

ORDERING INFORMATION

For accessory range and ordering information please refer to brochure EPP-2131 or e-mail us at surgearresters@te.com.

Example of a complete part description: RDA-12

te.com/energy

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