

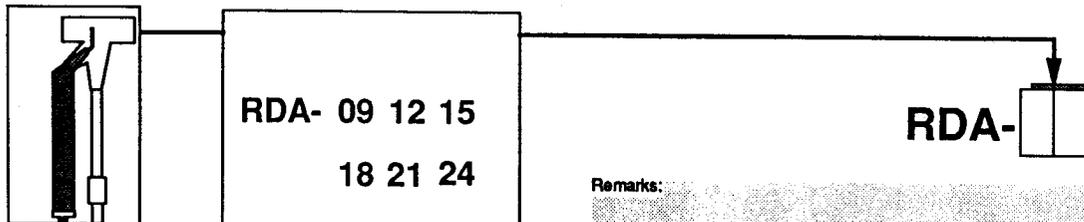
## Surge Arrester Systems

Order Form

**RDA**

Line lead is integrated and suitable for  
M16 connection to RICS 5139 and 5149

Arrester Type = Continuous Voltage Uc/kV



Mounting accessories are not available

Ground lead is 45mm long M12 stud with nut and washer

Raychem

19.2.92

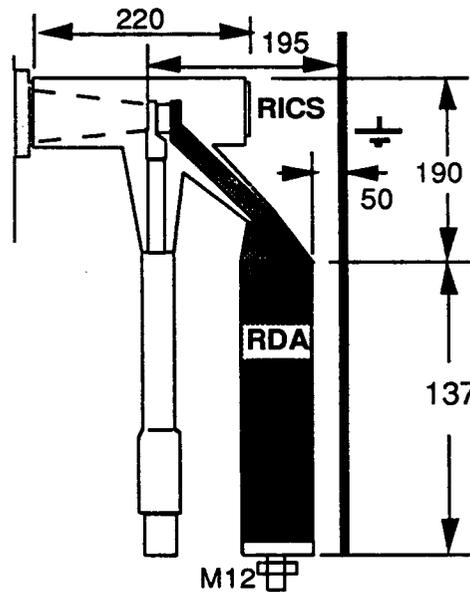
## Surge Arrester Systems

### RDA-06

Metal oxide arrester  
 Polymeric Housing  
 IEC 99-4  
 Nominal discharge current 10kA  
 Line discharge class 1  
 High current impulse 100 kA  
 Energy absorption capability at  
 -High current impulse :5,3kJ/kV Uc  
 -Switching impulse :2,6 kJ/kV Uc

Continuous Operating  
 Voltage:  
**Uc: 06 kV**  
 Rated Voltage:  
**Ur: 7,5 kV**

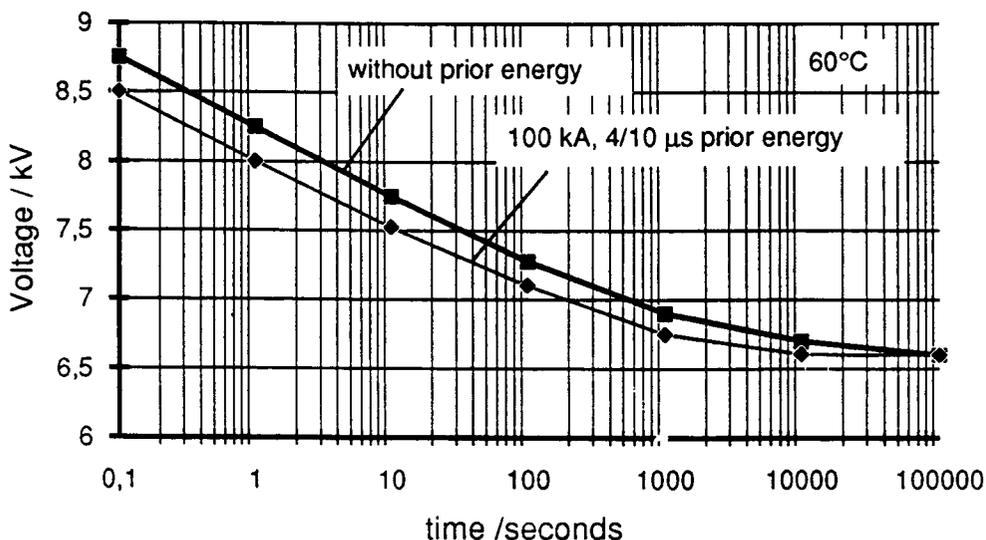
Indoor application (SF6-RMUs)  
 for use with RICS elbows  
 CENELEC bushing (M16)



#### Discharge voltages

Lightning current impulse 8/20 $\mu$ s				Steep current impulse		Switching current impulse	
5 kA	10 kA	20 kA	40 kA	10 kA	1/3 $\mu$ s	500A	2000 $\mu$ s
18,6 kV	20 kV	22,4 kV	26,2 kV	21,8 kV		14,8 kV	

#### Power frequency voltage versus time



#### Marking

RDA -06  
 Raychem PolyGarde  
 IEC 99-4  
 10 kA  
 Manufacturing Date  
 Uc: 06 kV  
 Ur:7,5 kV

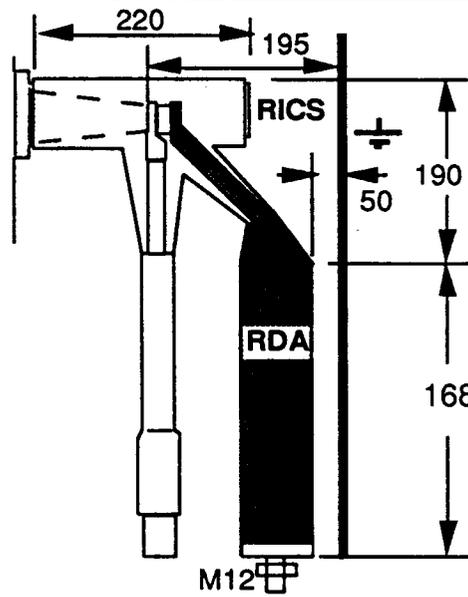
## Surge Arrester Systems

### RDA-09

Metal oxide arrester  
 Polymeric Housing  
 IEC 99-4  
 Nominal discharge current 10kA  
 Line discharge class 1  
 High current impulse 100 kA  
 Energy absorption capability at  
 -High current impulse :5,3kJ/kV Uc  
 -Switching impulse :2,6 kJ/kV Uc

Continuous Operating  
 Voltage:  
**Uc: 09 kV**  
 Rated Voltage:  
**Ur: 11 kV**

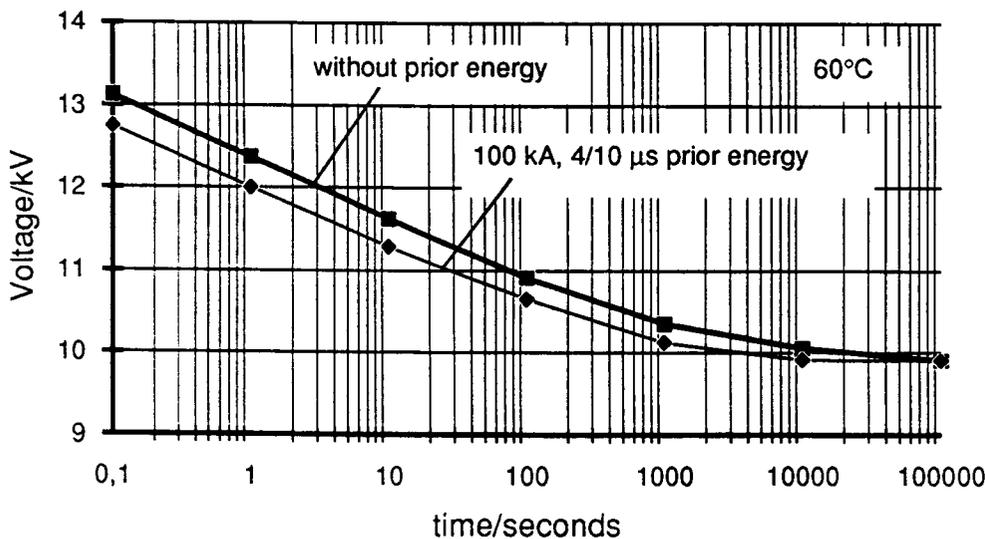
Indoor application (SF6-RMUs)  
 for use with RICS elbows  
 CENELEC bushing (M16)



### Discharge voltages

Lightning current impulse 8/20 $\mu$ s				Steep current impulse		Switching current impulse	
5 kA	10 kA	20 kA	40 kA	10 kA	1/3 $\mu$ s	500A	2000 $\mu$ s
27,9 kV	30 kV	33,6 kV	39,3 kV	32,7 kV		22,2 kV	

### Power frequency voltage versus time



### Marking

RDA -09  
 Raychem PolyGarde  
 IEC 99-4  
 10 kA  
 Manufacturing Date  
 Uc:09 kV  
 Ur:11 kV

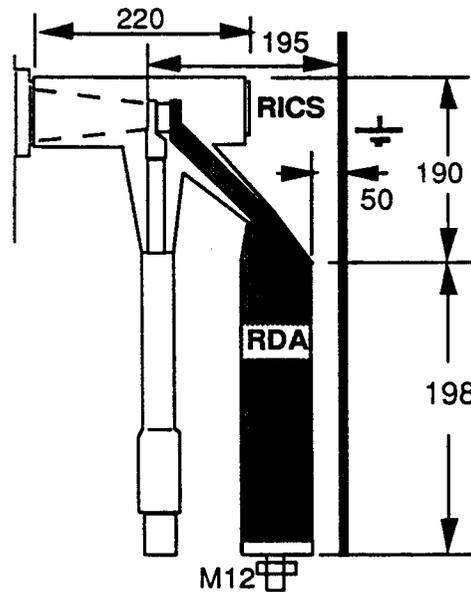
## Surge Arrester Systems

### RDA-12

Metal oxide arrester  
 Polymeric Housing  
 IEC 99-4  
 Nominal discharge current 10kA  
 Line discharge class 1  
 High current impulse 100 kA  
 Energy absorption capability at  
 High current impulse :5,3kJ/kV Uc  
 Switching impulse :2,6 kJ/kV Uc

Continuous Operating  
 Voltage:  
**Uc: 12 kV**  
 Rated Voltage:  
**Ur: 15 kV**

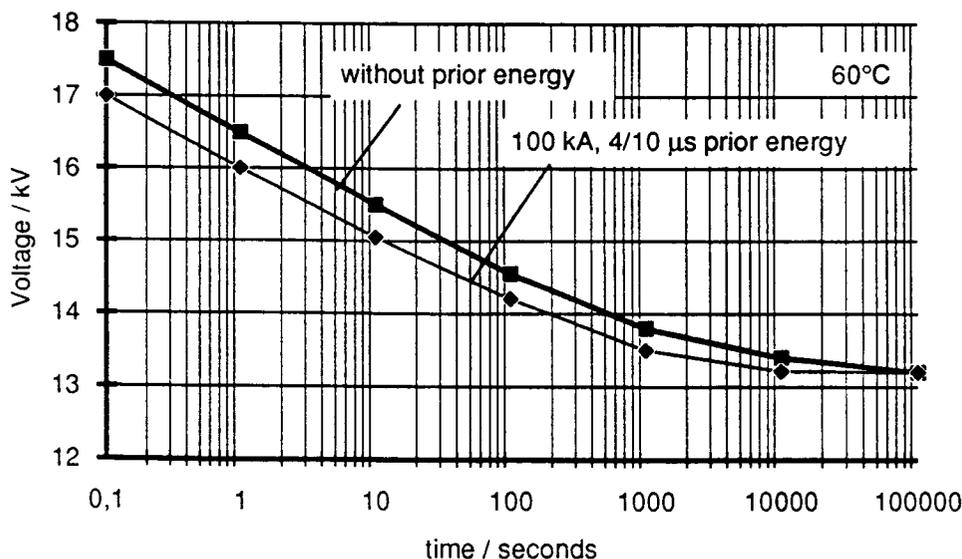
Indoor application (SF6-RMUs)  
 for use with RICS elbows  
 CENELEC bushing (M16)



#### Discharge voltages

Lightning current impulse 8/20 $\mu$ s				Steep current impulse 10 kA 1/3 $\mu$ s		Switching current impulse 500A 2000 $\mu$ s	
5 kA	10 kA	20 kA	40 kA	10 kA	1/3 $\mu$ s	500A	2000 $\mu$ s
37,2 kV	40 kV	44,8 kV	52,4 kV	43,6 kV		29,6 kV	

#### Power frequency voltage versus time



#### Marking

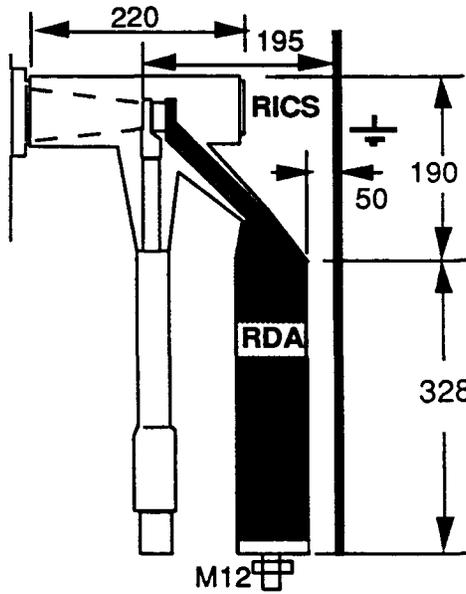
RDA -12  
 Raychem PolyGarde  
 IEC 99-4  
 10 kA  
 Manufacturing Date  
 Uc:12 kV  
 Ur:15 kV

## Surge Arrester Systems

### RDA-18

Metal oxide arrester  
 Polymeric Housing  
 IEC 99-4  
 Nominal discharge current 10kA  
 Line discharge class 1  
 High current impulse 100 kA  
 Energy absorption capability at  
 -High current impulse :5,3kJ/kV Uc  
 -Switching impulse :2,6 kJ/kV Uc

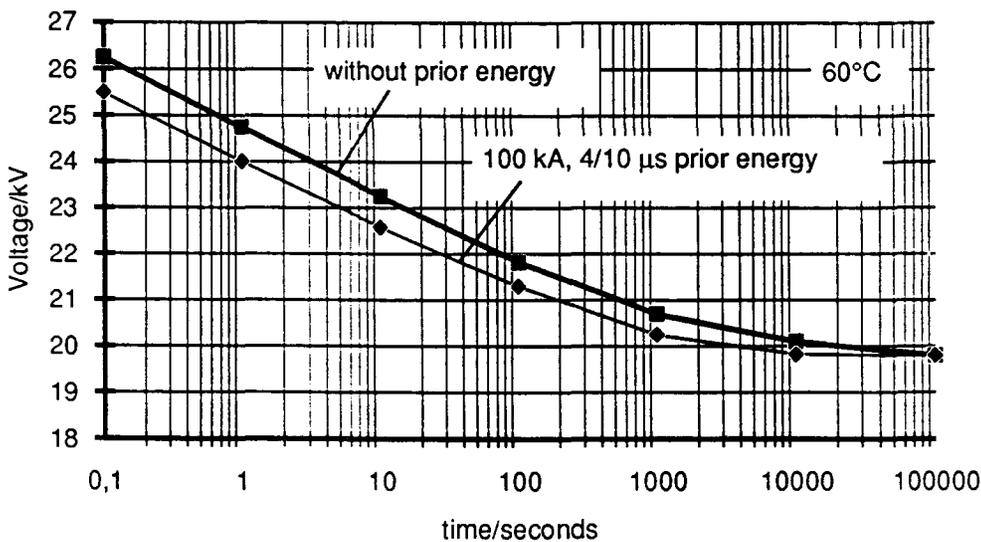
Continuous Operating  
 Voltage:  
**Uc: 18 kV**  
 Rated Voltage:  
**Ur: 22 kV**  
 Indoor application (SF6-RMUs)  
 for use with RICS elbows  
 CENELEC bushing (M16)



### Discharge voltages

Lightning current impulse 8/20 $\mu$ s				Steep current impulse	Switching current impulse	
5 kA	10 kA	20 kA	40 kA	10 kA 1/3 $\mu$ s	500A	2000 $\mu$ s
55,8 kV	60 kV	67,2 kV	78,6 kV	65,4 kV	44,4 kV	

### Power frequency voltage versus time



### Marking

RDA -18  
 Raychem PolyGarde  
 IEC 99-4  
 10 kA  
 Manufacturing Date  
 Uc:18 kV  
 Ur:22 kV

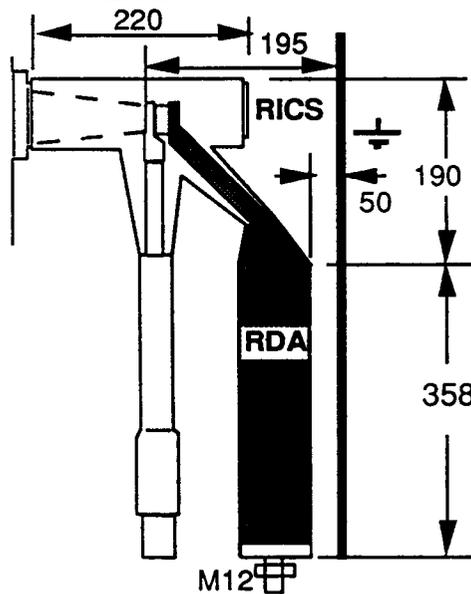
## Surge Arrester Systems

### RDA-21

Metal oxide arrester  
 Polymeric Housing  
 IEC 99-4  
 Nominal discharge current 10kA  
 Line discharge class 1  
 High current impulse 100 kA  
 Energy absorption capability at  
 -High current impulse :5,3kJ/kV Uc  
 -Switching impulse :2,6 kJ/kV Uc

Continuous Operating  
 Voltage:  
**Uc: 21 kV**  
 Rated Voltage:  
**Ur: 26 kV**

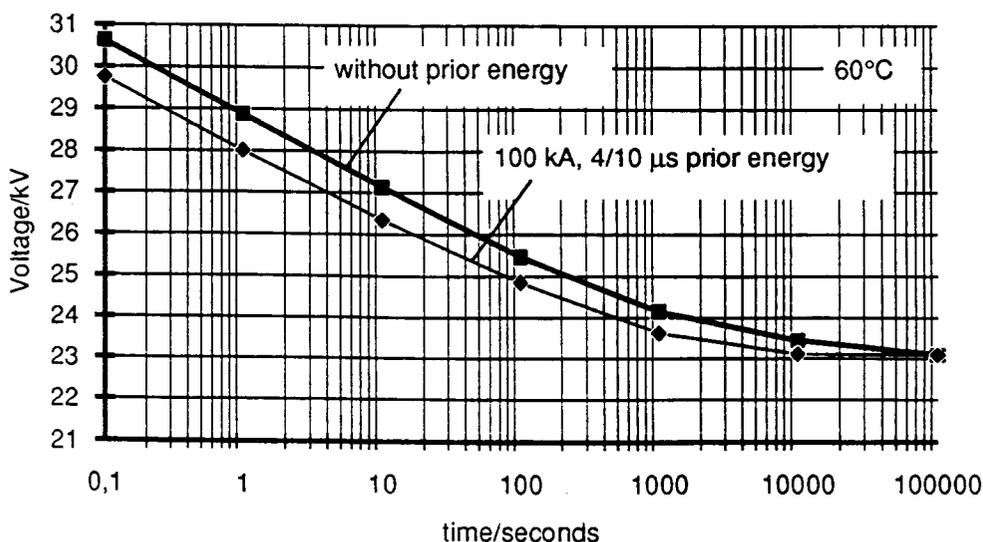
Indoor application (SF6-RMUs)  
 for use with RICS elbows  
 CENELEC bushing (M16)



#### Discharge voltages

Lightning current impulse 8/20 $\mu$ s				Steep current impulse		Switching current impulse	
5 kA	10 kA	20 kA	40 kA	10 kA	1/3 $\mu$ s	500A	2000 $\mu$ s
65,1 kV	70 kV	78,4 kV	91,7 kV	76,3 kV		51,8 kV	

#### Power frequency voltage versus time



#### Marking

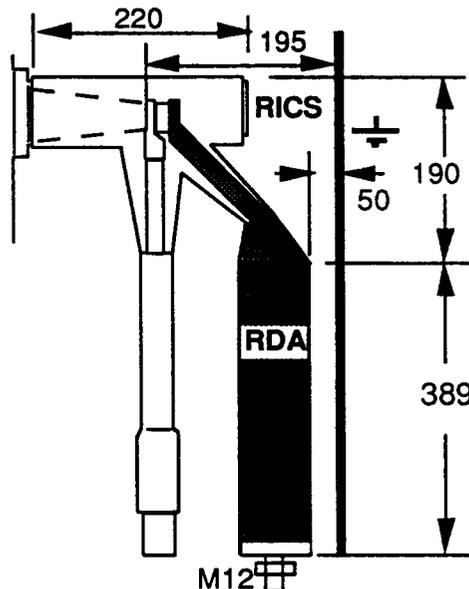
RDA -21  
 Raychem PolyGarde  
 IEC 99-4  
 10 kA  
 Manufacturing Date  
 Uc:21kV  
 Ur:26kV

## Surge Arrester Systems

Metal oxide arrester  
 Polymeric Housing  
 IEC 99-4  
 Nominal discharge current 10kA  
 Line discharge class 1  
 High current impulse 100 kA  
 Energy absorption capability at  
 -High current impulse :5,3kJ/kV Uc  
 -Switching impulse :2,6 kJ/kV Uc

Continuous Operating  
 Voltage:  
**Uc: 24 kV**  
 Rated Voltage:  
**Ur: 30 kV**  
 Indoor application (SF6-RMUs)  
 for use with RICS elbows  
 CENELEC bushing (M16)

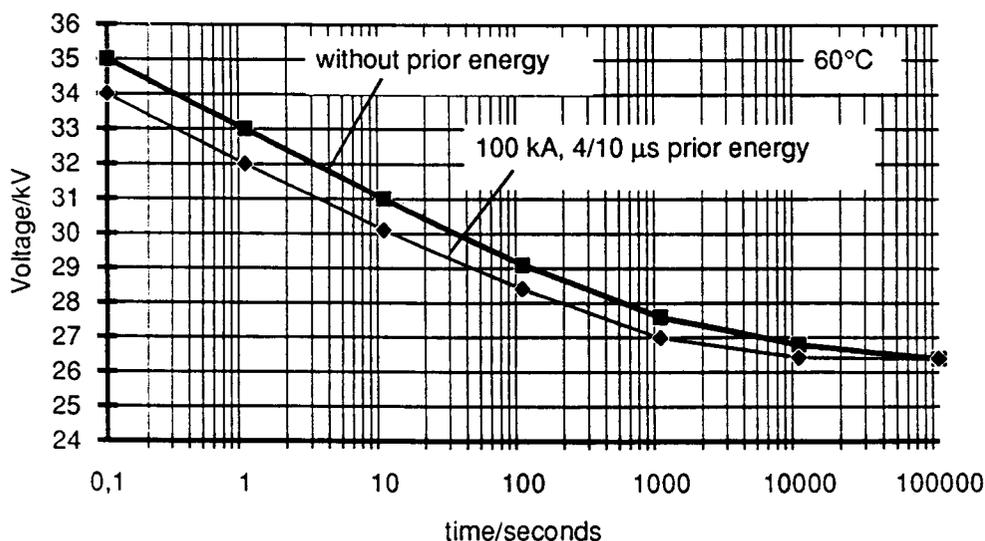
### RDA-24



#### Discharge voltages

Lightning current impulse 8/20 $\mu$ s				Steep current impulse 10 kA 1/3 $\mu$ s		Switching current impulse 500A 2000 $\mu$ s	
5 kA	10 kA	20 kA	40 kA	10 kA	1/3 $\mu$ s	500A	2000 $\mu$ s
74,4 kV	80 kV	89,6 kV	105 kV	87,2 kV		59,2 kV	

#### Power frequency voltage versus time



#### Marking

RDA -24  
 Raychem PolyGarde  
 IEC 99-4  
 10 kA  
 Manufacturing Date  
 Uc:24 kV  
 Ur:30 kV