

## Surge Arresters

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The minimum order quantities stated for surge arresters correspond to one delivery unit. Delivery is always in complete units.

Many surge arresters can also be supplied on tape. Your SCS contact will tell you the ordering code of the taped version.

Quantities exceeding the stated maximum quantities and non-SCS types will be supplied ex works. Inquire for prices and delivery schedules.

### Further technical literature

Short Form Catalog "Gas-Filled Surge Arresters and Switching Spark Gaps" in preparation, EPC:48001-7400

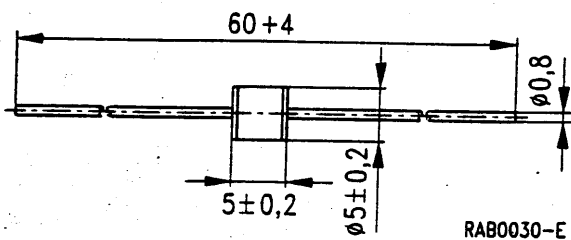
### Symbols and terms

$V_{sdCN}$  Nominal dc spark-over voltage

304 3174.

**Mini button**  
**Metal-ceramic  $\varnothing 5 \times 5$**   
**2,5 kA/2,5 A**

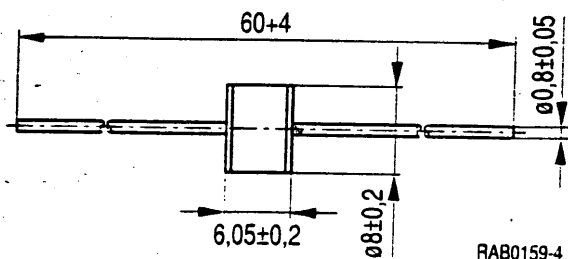
M51-



Type	$V_{sdcN}$ V	Ordering code	Min. qty.	Max. qty.				
M51-C90	90	Q69-X468	100	2500				
M51-A230X	230	Q69-X293	100	2500				
M51-A350X	350	Q69-X464	100	2500				
M51-A600X	600	Q69-X459	100	2500				

**Standard button**  
**Metal-ceramic  $\varnothing 8 \times 6$**   
**5 kA/5 A**

EC-

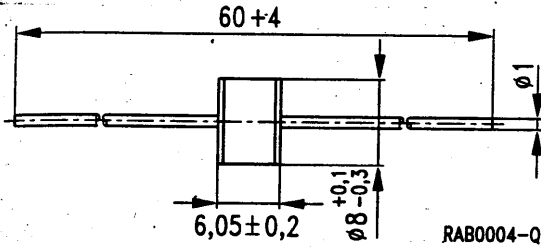


Type	$V_{sdcN}$ V	Ordering code	Min. qty.	Max. qty.				
*EC90X	90	Q69-X72	100	2500				
EC150X	150	Q69-X88	100	2500				
EC230X	230	Q69-X66	100	2500				
EC350X	350	Q69-X81	100	2500				
EC600X	600	Q69-X78	100	2500				

## Surge Arresters

**Metal-ceramic  $\varnothing 8 \times 6$   
10 kA/10 A**

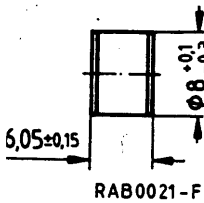
N81-



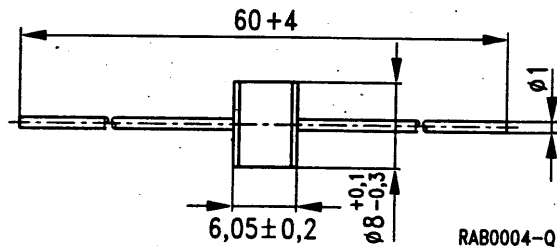
Type	$V_{sdcN}$ V	Ordering code	Min. qty.	Max. qty.				
N81-A90X	90	Q69-X488	100	2500				
N81-A230X	230	Q69-X493	100	2500				
N81-A350X	350	Q69-X492	100	2500				

**Metal-ceramic  $\varnothing 8 \times 6$   
20 kA/20 A**

A80-



A81-

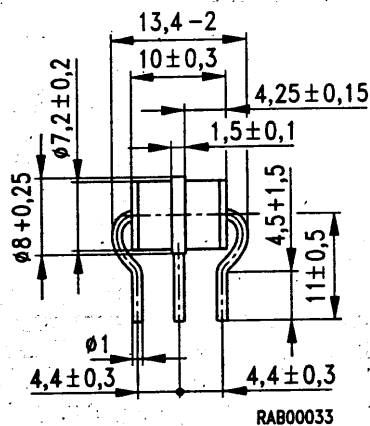


Type	$V_{sdcN}$ V	Ordering code	Min. qty.	Max. qty.				
A80-C90X	90	Q69-X141	100	2500				
A81-C90X	90	Q69-X138	100	2500				
A80-A230X	230	Q69-X224	100	2500				
A81-A230X	230	Q69-X225	100	2500				
A80-A350X	350	Q69-X223	100	2500				
A81-A350X	350	Q69-X238	100	2500				
A81-A600X	600	Q69-X288	100	2500				

## Surge Arresters

### 3-electrode surge arresters Metal-ceramic 10 kA/10 A

T83-

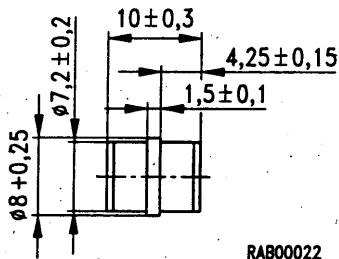


Type	$V_{\text{sdCN}}$ V	Ordering code	Min. qty.	Max. qty.			
T83-A90X	90	Q69-X830	100	2500			
T83-A230X	230	Q69-X891	100	2500			
T83-A350X	350	Q69-X869	100	2500			

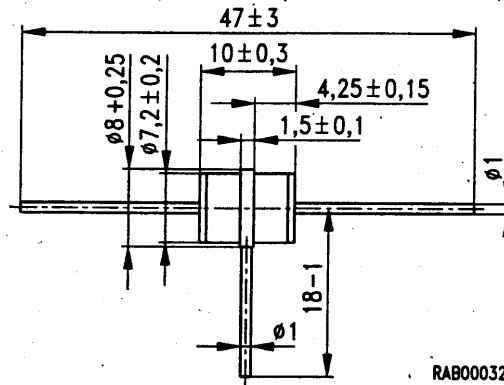
## Surge Arresters

### 3-electrode surge arresters Metal-ceramic 20 kA/10 A

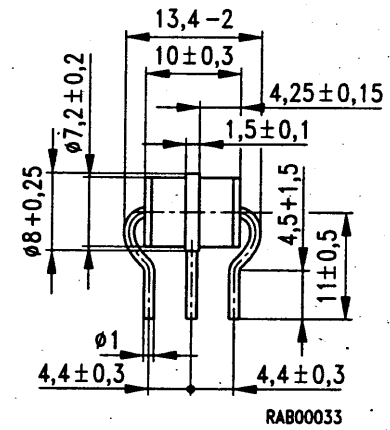
T20-



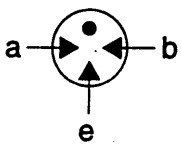
T21-



T23-



Type	$V_{sdCN}$ V	Ordering code	Min. qty.	Max. qty.				
T20-A230X <sup>1)</sup>	230	Q69-X871	100	2500				
T21-A230X	230	Q69-X892	100	2500				
T23-A230X	230	Q69-X874	100	2500				
T23-A350X	350	Q69-X720	100	2500				



a, b Tip, ring electrode  
e Center electrode

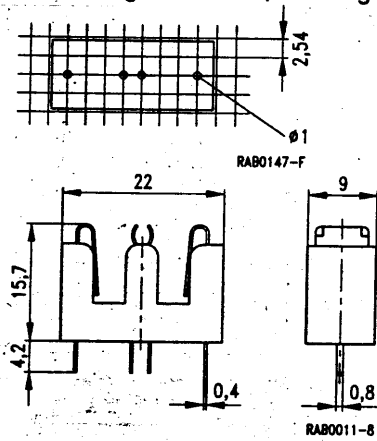
1) Matching holder: T80-A1

# Surge Arresters

## Holders

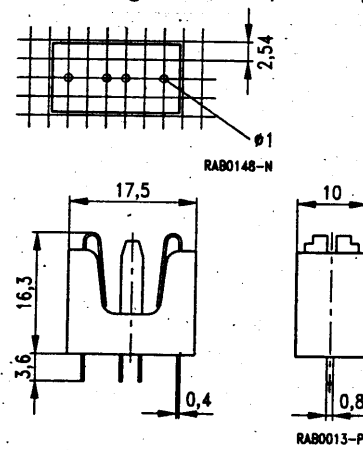
### A4-A1

Hole arrangement on 2,54 mm grid



### T80-A1

Hole arrangement on 2,54 mm grid



Type	For arresters:		Ordering code	Min. qty.	Max. qty.					
	Dimensions	Max. number								
A4-A1	Ø 8 × 6	2	Q81-X163	100	2500					
T80-A1	Ø 8 × 10 <sup>1)</sup>	1	Q81-X162	100	2500					

1) For 3-electrode surge arrester  
The holders are supplied unequipped.