

## 8x20mm No. A820



## 2-electrode (20kA/20A) High Discharge Current Series

### Features

Non-radioactive  
Lead Free

### Applications

Telecommunication  
Data Transmission  
Industry

### Standard

UL-497B  
complies to ITU-T K.12 (formerly CCITT)  
complies to DIN 57845/VDE 0845

### Approvals

UL-rec.

### WebLinks

#### Further info see:

[http://www.wickmanngroup.com/download/orderinfo\\_surgearr.pdf](http://www.wickmanngroup.com/download/orderinfo_surgearr.pdf)  
[http://www.wickmanngroup.com/download/crossref\\_surgearr.pdf](http://www.wickmanngroup.com/download/crossref_surgearr.pdf)

## Specifications

### Packaging

A820: 00=Bulk (100 pcs.)

### Materials

Housing: Ceramic  
Gas: non-radioactive  
Leads: tin plated

### Arc Voltage @ 1A

~ 10V

### Transition Glow to Arc @

~ 0.5A


### Operating temperature

-40°C to +90°C

### Climatic Category

complies to IEC 60068-1  
+40°C, 21 days, <93% humidity

### Marking

 Type, Nom. Voltage, Date

### Unit Weight

ca. 2.5g



**RoHS**



### Characteristics

Type/ Order Code	DC sparkover voltage	Tolerance	Impulse sparkover voltage (1kV/μs) typ.	Glow Voltage	Insulation Resistance (@100 Vdc or @50Vdc for 90V)	Capacitance (@1MHZ)	8/20μs Nominal Impulse Discharge Current (10 times)	8/20μs Single Impulse Discharge Current (1 time)	AC Nominal Discharge Current (50Hz; 1s; (10 times)	AC Alternating Discharge Current (50Hz; (9 cycles)	Approval
A820 S0 0090 01 00	90V	+/- 20%	< 550V	~ 60V	> 10GΩ	< 1.5 pF	20kA	25kA	20A	100A	•
A820 S0 0230 01 00	230V	+/- 20%	< 600V	~ 60V	> 10GΩ	< 1.5 pF	20kA	25kA	20A	100A	•
A820 S0 0350 01 00	350V	+/- 20%	< 700V	~ 60V	> 10GΩ	< 1.5 pF	20kA	25kA	20A	100A	•

other values on request

Specifications are subject  
to change without notice.

### Order Example

Qty.	Order- Number	Type	Failsafe Option	Sparkover Volt.	Tolerance	Packaging
		A820	S0	0230	01	00

## Dimensions (mm) A820

A820

