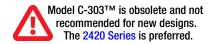


### **Features**

- Standard 5-pin configuration
- Fail-short design
- Low capacitance
- c@Lus Listed
- Meets Telcordia 1361 & RUS PE-80 requirements



## Model C-303™ 5-Pin Gas Tube Protector Modules

Bourns® Model C-303™ 5-Pin Protector Modules provide overvoltage protection in the industry-standard 5-pin configuration for use in central and remote office connector blocks as well as building entrance terminals.

The protector housing is made of self-extinguishing thermoplastic in black (standard service) or red (special service) colors. Modules are available with either tin-alloy or gold-plated outside plant and central office pins. The ground pin is always tin-alloy plated. The pin plating can be be matched with the receptacle plating of the connector block or building entrance terminal.

The protectors incorporate a fail-short design to ensure safe operation and protect people and equipment from prolonged electrical surges.

### Characteristics

Test Methods per UL 497, CSA C22.2, Telcordia GR 974, 1361 and SBC SR 5165.

DC Breakdown Voltage Range @ 2000 V/second	280-420 V
	280-420 V
Impulse Breakdown 100 V/µs	625 V
1000 V/μs	
Insulation Resistance @ 100 Vdc	
Insertion Loss @ 100 MHz	_
Return Loss @ 100 MHz	
Capacitance Tip to Ring @ 1 MHz	5 ,
Capacitance Tip or Ring to Ground @ 1 MHz	
Impulse Reset 1	, ,,
52 V, 260 mA	< 10 ms
135 V, 200 mA	
150 V, 200 mA	
Impulse Life Characteristics (Tip and Ring to Ground Simultaneously)	100 1110
10 A, 10/1000 μs	> 3000 operations
100 A, 10/1000 µs	
300 A, 10/1000 µs	•
500 A, 10/1000 µs	•
2,000 A, 10/250 µs	•
5,000 A, 20/100 µs	•
20,000 A, 8/20 μs	·
AC Life Characteristics (Tip and Ring to Ground Simultaneously)	- i operation
0.5 A rms continuous	> 30 seconds
1 A rms, 1 second, 600 ft. cable	
1 A rms, 1 second, 1 mile cable	
10 A rms, 1 second	
65 A rms, 11 cycles	<u> </u>
120 A rms, 0.1 second	·
High Current Capability and Thermal Operation (Tip and Ring to Ground)	
Storage and Operating Temperature	
Safety	33 10 403 0
60 A. 3 sec.	Fail-short
120 A, 0.6 sec.	
350 A. 0.04 sec.	
30 A, 15 min.	
Safety Standards Listing	,
Jaioty Jianaaras Listing	Canadian safety standards
	Janadian Salety Standards

### Notes:

- <sup>1</sup> Network applied.
- <sup>2</sup> Per RUS PE-80.

# Model C-303™ 5-Pin Gas Tube Protector Modules

## BOURNS

### **Packaging Specifications**

 Standard Package
 100 modules

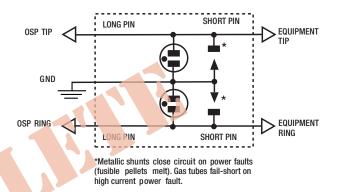
 Dimensions (H x W x D)
 76.2 x 152.4 x 203.2 mm

 (3 x 6 x 8 in.)
 2.0 kg (4.4 lbs.)

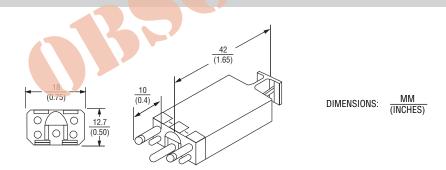
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### 7-Type Gas Tube Protector Modules

Voltage protection is provided with dual 350 Vdc gas tubes with fail-short mechanism that shunt transient voltages to ground and return to their normal state, providing protection that withstands thousands of operations.



### **Product Dimensions**



### **How to Order**

<b>Product Code</b>	Part Number	Description	Case Color	Front Test	Application		
Tin-Alloy Plated Pins							
303-0755	A0328090	5-Pin Gas Tube Protector, 350 V	Black	No	Standard Circuit		
303-0775	A0312973	5-Pin Gas Tube Protector, 350 V	Red	No	Special Circuit		
Gold-Plated Pins	3						
303M-07S1G0	A0338076	5-Pin Gas Tube Protector, 350 V	Black	No	Standard Circuit		
303M-07S3G0	A0338078	5-Pin Gas Tube Protector, 350 V	Red	No	Special Circuit		

Note: Order by Part Number.