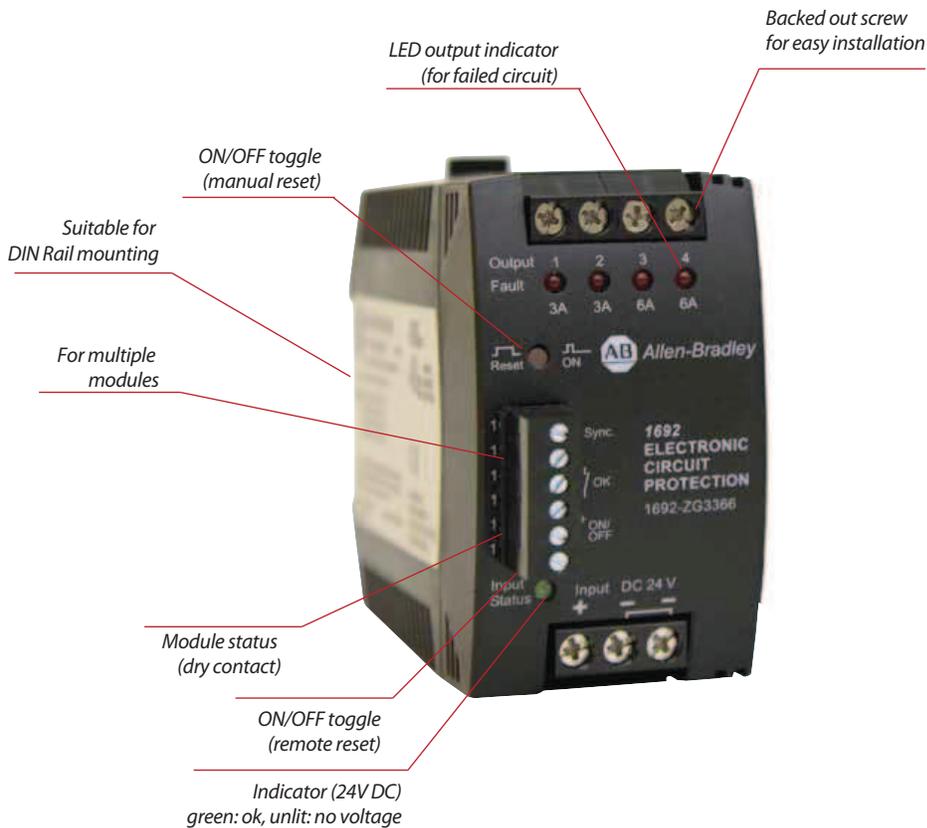


# 1692 Electronic Circuit Protectors



Bulletin 1692 Electronic Circuit Protection Modules protect the secondary circuits of 24V DC switched mode power supplies. These modules monitor both supply voltage and load currents, and you can monitor and control the modules both locally and remotely.

Designed for 24VDC circuits, the 1692 provides comprehensive protection against short circuit and overcurrent conditions while allowing for inrush current.

## Features

- Input voltage monitoring
- Current monitoring and limitations of the 4 outputs
- Fast tripping
- Select devices offer certified NEC Class 2 circuits

### 1692 Electronic Circuit Protectors

<b>Voltage</b>	24V DC (18...30V DC)
<b>Output Current</b>	1 A...12 A, (select devices – NEC Class 2)
<b>Standards Compliance</b>	UL 508 UL 2367 CSA C22.2, No. 142 ISA 12.12 EN 60950-1 NEC Class 2 (select devices)
<b>Certifications</b>	cULus Listed (UL 508) File No. E56639 cURus Recognized CE Marked Class I, Div II (CSA only)

## Catalog Number Explanation

**Note:** Examples given in this section are for reference purposes. This basic explanation should not be used for product selection; some combinations may not produce a valid catalog number.



*a*

Module Voltage	
Code	Description
Z	24V DC

*b*

Protection Scheme	
Code	Description
G	Module Protection
R	G and Class 2

*c*

Output Current Rating	
Code	Description
1111	1 A, 1 A, 1 A, 1 A
2222	2 A, 2 A, 2 A, 2 A
3333	3 A, 3 A, 3 A, 3 A
4444	4 A, 4 A, 4 A, 4 A
6666	6 A, 6 A, 6 A, 6 A
AAAA	10 A, 10 A, 10 A, 10 A
3366	3 A, 3 A, 6 A, 6 A
66BB	6 A, 6 A, 12 A, 12 A
CLSS	(4) NEC Class 2 circuits (each circuit max 100 VA)

## Product Selection

Voltage	Protection Type	NEC Class 2	Output [A]				Cat. No.
			1	2	3	4	
24V DC	Module	Yes	1	1	1	1	1692-ZR1111
		Yes	2	2	2	2	1692-ZR2222
		No	3	3	3	3	1692-ZG3333
		No	4	4	4	4	1692-ZG4444
		No	6	6	6	6	1692-ZG6666
		No	10	10	10	10	1692-ZGAAAA
		No	3	3	6	6	1692-ZG3366
		No	6	6	12	12	1692-ZG66BB
		Yes	(4) NEC Class 2 circuits (100 VA /circuit max)				1692-ZRCLSS

# Specifications

Electrical Ratings	
Voltage	24V DC (18...30V DC)
Output current	1 A...12 A, select devices – NEC Class 2
Output ratings	Isolated safety extra-low voltage (SELV)
Environmental	
Operating temperature	-25...+70 °C (-13...158 °F) (non-condensing)
Storage temperature	-40 °C...+85 °C (-40...185 °F)
Humidity	5...95% (non-condensing)
Degree of pollution	2
Construction	
Terminal wire gauge	24...10 AWG (0.2...4mm <sup>2</sup> )
Termination type	Screw
Dimensions in. (mm)	1.77 x 2.95 x 3.58 (45 x 75 x 91)
Weight lb. (g)	0.26 (120)

## Approximate Dimensions

**Note:** Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.

