


Features

- High surge-energy handling
- Sneak current protection
- Solid brass gold or tin plated pins
- Designed to Telcordia and RUS standards
-  Listing per UL497 (File E53117)

Applications

- Central Office
- Remote cabinet
- Building entrance terminal
- Severe lightning exposure
- Category 5 compatible

F Series 5-Pin SuperDuty® GDT Overcurrent Surge Protectors

Bourns® Gas Discharge Tube (GDT) 5-pin protector modules are designed to protect personnel and equipment from damage caused by excessive voltages and currents induced on telephone lines by lightning and AC power system faults. The advanced GDT protectors are designed to handle high surge energy levels. The module's repeatable operation is designed to provide excellent equipment protection and long protection life. A fail-short mechanism operates under high current power-cross conditions to permanently short the line to ground. Heat coils provide overcurrent (sneak current) protection with 4 ohm resistance. The industry-standard 5-pin base makes the modules interchangeable with existing 5-pin modules. The pins are available with gold or tin plating. The protectors have a detent position which disconnects the equipment side but leaves the module connected to the line side. Test points on the line side are optional.

Bourns® 5-pin protectors are used in many telecom applications. These modules are a superior choice for 5-pin protection of copper pair circuits.

How to Order

Catalog Number	Part Number	Color	Plating	Test Points	Specification	Service
JZ modules with 4 Ohm Heat Coil						
R4B1EJZ	F013450	Black	Gold	No	Telcordia, UL, CSA	Standard
R4C1EJZ	F013440	Black	Gold	Yes	Telcordia, UL	Standard
R4B3EJZ	F013451	Red	Gold	No	Telcordia, UL	Special
R4C3EJZ	F013444	Red	Gold	Yes	Telcordia, UL	Special
R4B4EJZ	F013453	Yellow	Gold	No	Telcordia, UL	PBX Battery (.25 Ohm)
Other with 4 Ohm Heat Coil						
R4C3EJZHI	F013454	Red	Gold	Yes	Telcordia, UL	Special
R4B3EJZHI	F013455	Red	Gold	No	Telcordia, UL	Special
G4AVS	F013831	Orange	Tin	No	Telcordia, UL	Standard
G4A230	F014012	Orange	Tin	No	Telcordia, UL	230 Volt
G4ABVS	F014039	Black	Tin	No	Telcordia, UL	400 Volt
G4ARVS	F014040	Red	Tin	No	Telcordia, UL	400 Volt
R4B2E	F013493	Green	Gold	No	Telcordia, UL	Denied (no heat coil)

Notes: All models are UL Listed.

Designed to meet Telcordia TR-TSY-000070, TR-TSY-000072, GR-1361CORE, RUS PE-80, GTE GTS-8345.

All RDUP (formerly RUS) modules meet the criteria in Govt Publication RDUP TE&CM 823.

REV. A 11/08

"SuperDuty" is a registered trademark of Bourns, Inc.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications