

RZF SERIES POWER RELAY

1 Form A contacts rated
16A at 250VAC
PCB mount with 0.187 (4.8)
quick connects for load

PRODUCT DESCRIPTION

TE Connectivity (TE) announces the RZF series power relay. This compact relay offers through-hole technology (THT) printed circuit board (PCB) terminals plus top-mounted 0.187 x 0.020 in (4.8 x 0.5 mm) quick connect tab terminals for load connections. Its low-profile design results in a mounted height about 19% less than that of some previous generation PCB relays with similar features and top mounted tabs. Contacts in a 1 form A (normally open) arrangement are rated 16 amps at 250 volts AC, resistive. The 530mW coil is offered in 5 through 48 volt DC versions.

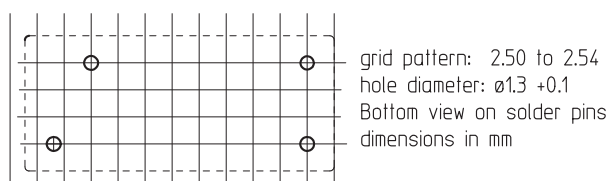
KEY FEATURES

- 1 Form A (1 NO) contact arrangement rated 16 amps at 250 volts AC and 85°C
- THT PCB terminals plus top mounted 0.187 x 0.020 in (4.8 x 0.5 mm) quick connect tab terminals for load connections
- With a mounted height of only 1.09 in (27.6 mm) above the board, with terminals, and 0.705 in (17.9 mm), without terminals, the RZF relay has a significantly lower profile than some previous generation relays with top-mounted load terminals
- ≥ 5 kV dielectric strength between contacts and coil
- 5 through 48 volt DC coils require 530mW coil power
- Complies with IEC 60335-1, 5th edition (GWT) and is UL recognized, VDE approved and CQC certified
- Produced on fully automated line for consistent performance, high quality and cost effectiveness

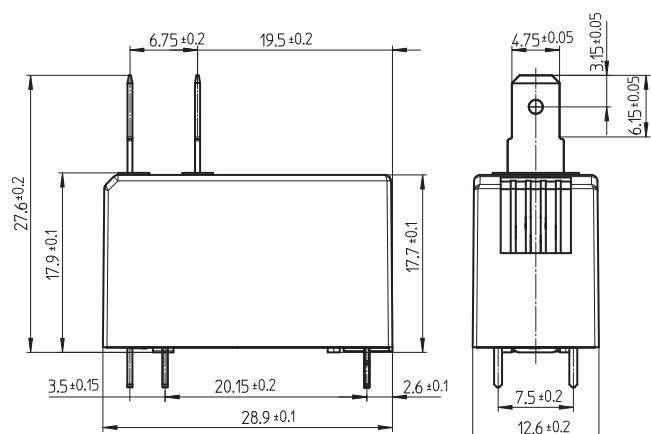
APPLICATIONS

- Microwave ovens
- Air conditioning
- Water heaters
- Industrial/commercial equipment
- Cooking appliances

PC BOARD LAYOUT



OUTLINE DIMENSIONS



RZF Series Power Relay

Product Flyer

BASIC SPECIFICATIONS

CONTACT DATA

Contact arrangement: 1 Form A (NO)
Rated voltage: 250VAC
Rated current: 16A
Breaking capacity max: 4,000VA
Contact material: AgNi
Electrical endurance
16A, 250VAC res, +25°C 100x10³ ops.
16A, 250VAC res, +85°C 50x10³ ops.

INSULATION DATA

Initial dielectric strength
Between contacts and coil: 5,000Vrms

OTHER DATA

Ambient temperature: 85°C max.
Category of protection: RTII - flux tight
Terminal type: PCB-THT, 187 quick connect tab for load side
Agencies: UL Recognized, File E214025
VDE Approved, Certificate 40046175
CQC Certified, Certificate 170021755064

COIL DATA

Coil voltage range: 5 to 48VDC
Nominal coil power: 530mW

SELECTED PART NUMBERS

| Description | Coil Voltage | Contacts | Part Number |
|--------------|--------------|--------------------------------|-------------|
| RZF-1A4-L009 | 9VDC | Standard | 1833011-3 |
| RZF-1A4-L012 | 12VDC | Standard | 1833011-4 |
| RZF-1A6-L009 | 9VDC | Special (thicker, same rating) | 1-1833011-6 |
| RZF-1A6-L012 | 12VDC | Special (thicker, same rating) | 1-1833011-7 |

NOTE: For detailed product specifications and a more comprehensive list of part numbers, please refer to the RZF series relay data sheet on te.com.

FULLY AUTOMATED PRODUCTION



RZF series relays are produced on a fully automated line for consistent performance, high quality and cost-effectiveness.

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