



PRODUCT LAUNCH TARGET IS SEPTEMBER 2017

Production will be on a fully automated assembly line

Note: This product is still in development. Consequently, information in this flyer is preliminary and subject to change.

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 development of its RZF series power relay. This compact relay will offer 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 1 form A (normally open) contacts are designed for a rating of 16 amps at 250 volts AC, resistive. The 530mW coil will be offered in 5 through 48 volt DC versions.

KEY FEATURES

- 1 Form A (1 NO) contact arrangement rated 16 amps at 250 volts AC
- 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 0.964 in (24.5 mm) above the board, with terminals, and 0.705 in (17.9 mm) without terminals, the RZF relay will offer a significantly lower profile than some competitive relays with top-mounted load terminals
- Designed for operation in maximum ambient temperature of 85°C
- ≥5kV dielectric between contacts and coil
- 5 through 48 volt DC coils require 530mW coil power
- Designed to comply with IEC 60335-1, 5th edition (GWT) and will be tested to industry standards by UL, VDE and CQC
- To be produced on fully automated line for consistent performance, high quality and cost effectiveness

APPLICATIONS

- Microwave ovens
- Water heaters
- Cooking appliances
- Air conditioning
- Industrial machinery and controls

ANTICIPATED SCHEDULE

- Appearance samples in February 2017
- Test samples in April 2017
- Safety standards approval in September 2017
- S&OP in December 2017
- NOTE: Schedule is subject to change without notice.

RZF Series Power Relay

IN DEVELOPMENT - INFORMATION IS PRELIMINARY AND SUBJECT TO CHANGE

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, quick connect for load side

COIL DATA

Coil voltage range: 5 to 48VDC

Nominal coil power: 530mW

FULLY AUTOMATED PRODUCTION



360° panoramic view of a typical automated production line for TE Connectivity general purpose power relays.

KEY CONTACTS

Sean Sun, Asian Relay Sales Manager

sean.sun@te.com

+86-18616101717

Colin Huang, Relay Field Application Engineer

colin.huang@te.com

+86-15019419780

te.com

TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2017 TE Connectivity Ltd. family of companies All Rights Reserved.

TBD 11/17 Original