



STANDARD POWER RELAYS



Active

TE CONNECTIVITY (TE)
RZ03-1A4-D005
Schrack | RZ Power PCB Relay-1 pole

1-1415899-3
TE Internal Number: 1-1415899-3
Alias ID: RZ03-1A4-D005

Always EU RoHS/ELV Compliant

Contact Current Rating (A) **16**

Coil Power Rating (DC) (mW) **420**

Insulation Clearance Class **>8mm**

Insulation Creepage Class **>8mm**

Terminal Type **PCB-THT**

Catalog Pages/Data Sheets

[Power PCB Relay RZ](#)

PDF
English

Product Specifications

Product Specification

[Definitions Relays](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_1-1415899-3_05262015449_dmtec](#)

PDF
English

Please review product documents or [contact us](#) for the latest agency approval information.

Product Type Features

Product Type

Relay

Relay Type

PCB Relay

Electrical Characteristics

Coil Power Rating (DC) (mW)

420

Insulation Creepage Class

>8mm

Coil Voltage Rating (VDC)

5

Contact Voltage Rating (VAC)

250

Contact Switching Voltage (Max) (VAC)

400

Contact Limiting Breaking Current (A)

16

Coil Special Features

UL Coil Insulation Class F

Contact Limiting Continuous Current (A)	16
Coil Magnetic System	Monostable, DC
Contact Limiting Short-Time Current (A)	16
Insulation Creepage Between Contact and Coil	10 mm [.394 in]
Coil Resistance (Ω)	60
Contact Limiting Making Current (A)	30
Insulation Initial Dielectric Between Open Contacts (Vrms)	1000
Insulation Initial Dielectric Between Contacts and Coil (Vrms)	5000
Coil Power Rating Class	400 – 500 mW
Insulation Initial Dielectric Between Coil/Contact Class	>4000V

Body Features	Insulation Special Features	Tracking Index of Relay Base PTI250
	Weight	10 g [.353 oz]

Contact Features	Contact Current Rating (A)	16
	Terminal Type	PCB-THT
	Contact Arrangement	1 Form A (NO)
	Contact Number of Poles	1
	Contact Material	AgNi90/10
	Contact Current Class	10 – 20 A, Greater Than 16A

Mechanical Attachment	Mounting Type	Printed Circuit Board
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Dimensions	Insulation Clearance Class	>8mm
	Length Class (Mechanical) (mm)	25 – 30
	Length	29 mm [1.142 in]
	Height Class (Mechanical) (mm)	15 – 16
	Height	15.7 mm [.618 in]
	Insulation Clearance Between Contact and Coil	10 mm [.394 in]
	Width Class (Mechanical) (mm)	12 – 16
	Width	12.7 mm [.5 in]

Usage Conditions	Environmental Category of Protection	RTII
	Environmental Ambient Temperature (Max)	85 °C [185 °F]
	Environmental Ambient Temperature Class	70 – 85°C

Packaging Features

Packaging Method

Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)