

Relays, Contactors & Switches > Relays > Power Relays

1-2158100-3

RZL3-1A4-L005-R



SCHRACK | SCHRACK Power PCB Relay RZ

TE Internal #: **1-2158100-3**

TE Internal Description: **RZL3-1A4-L005-R**

Power Relay Type : **Standard**

Coil Magnetic System : **Monostable, DC**

Coil Power Rating Class (mW): **500 – 600**

Coil Power Rating DC (mW): **530**

Coil Resistance (Ω): **47**

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Compatible Parts & Tooling

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Documents

Features

Product Compliance

Datasheets & Catalog Pages

RZL

[ENG_DS_RZL_1017.pdf](#) English

[ENG_DS_1-1773969-4_1904.pdf](#) English

Product Specifications

Definitions Relays

[ENG_SS_Definitions_Relays_0518.pdf](#) English

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

Product Type Features

Power Relay Type : **Standard**

Configuration Features

Output Switching : **Random**

Electrical Characteristics

Coil Current (A): **.011**
Contact Limiting Breaking Current (A): **16**
Coil Magnetic System : **Monostable, DC**
Coil Power Rating Class (mW): **500 – 600**
Coil Power Rating DC (mW): **530**
Coil Resistance (Ω): **47**
Coil Special Features : **UL Coil Insulation Class F**
Coil Voltage Rating (VDC): **5**
Contact Switching Load (Min) : **100mA @ 12V**
Contact Switching Voltage (Max) (VAC): **400**
Contact Switching Voltage (Max) (VDC): **300**
Contact Voltage Rating (VAC): **250**
Contact Voltage Rating (VDC): **300**
Insulation Initial Dielectric Between Contacts & Coil (Vrms):
5000
Contact Limiting Continuous Current (A): **16**
Insulation Creepage Between Contact & Coil :
10 mm [.394 in]
Contact Limiting Making Current (A): **16**
Insulation Creepage Class (mm): **8**
Coil Power Rating (W): **.53**
Contact Limiting Short-Time Current (A): **30**
Insulation Initial Dielectric Between Open Contacts (Vrms):
1000
Actuating System : **DC**
Input Voltage Typical (VDC): **5**
Insulation Initial Dielectric Between Coil & Contact Class (V):
4000

Body Features

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

Contact Features

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

Termination Features

Relay Termination Type : **Printed Circuit Terminals**

Mechanical Attachment

Relay Mounting Type : **Printed Circuit Board**

Dimensions

Product Height : **15.7 mm [.618 in]**
Product Length : **29 mm [1.142 in]**
Product Width : **12.7 mm [.5 in]**
Width Class (Mechanical) (mm): **12 – 16**
Insulation Clearance Class (mm): **8**
Dimensions (L x W x H) (Approximate) (mm): **29 x 12.7 x 15.7**
Insulation Clearance Between Contact & Coil :
10 mm [.394 in]
Height Class (Mechanical) (mm): **15 – 16**
Base Dimensions (mm): **29 x 12.7**
Length Class (Mechanical) (mm): **25 – 30**



Usage Conditions	Environmental Category of Protection : RTII Environmental Ambient Temperature Class (°C): 50 – 70 Environmental Ambient Temperature (Max) : 70 °C [158 °F]
Packaging Features	Packaging Method : Box & Tube
EU RoHS Directive 2011/65/EU	
EU RoHS Directive with Phthalates Amendment 2011/65/EU, 2015/863/EU <i>The 4 Phthalates substances of amendment 2015/863/EU only become restricted as of 22 July 2019 for all electrical and electronic equipment, apart from Categories 8 (medical devices) and 9 (monitoring and control equipment) for which the restriction applies as of 22 July 2021.</i>	
EU ELV Directive 2000/53/EC	
China RoHS 2 Directive MIIT Order No 32, 2016	
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2017 (173)
Halogen Content	
Solder Process Capability	Not reviewed for solder process capability
Statement of Compliance	Statement of Compliance pdf
Compliance Documents	There may be Environmental Compliance related documents on the DOCUMENTATION Tab
Disclaimer	This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, and

0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly in 2018.

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Power Relays (97)

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