1-2158100-3 ✔ ACTIVE

SCHRACK | SCHRACK Power PCB Relay RZ

TE Internal #: 1-2158100-3

Power Relays, Standard, Monostable, DC, 530 mW Coil Power Rating DC, 47 Ω Coil Resistance, UL Coil Insulation Class F, SCHRACK Power PCB Relay RZ

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Relays, Contactors & Switches > Relays > Power Relays

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

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

Coil Power Rating DC: **530 mW**

Coil Resistance: **47 Ω**

Features

Product Type Features

Power Relay Type	Standard

Configuration Features

Output Switching	Random

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Input Voltage Typical	5 VDC
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Short-Time Current	30 A
Coil Power Rating	.53 W
Insulation Creepage Class	8 mm
Contact Limiting Making Current	16 A
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Contact Limiting Continuous Current	16 A

Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Contact Limiting Breaking Current	16 A
Coil Current	.011 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	500 – 600 mW
Coil Power Rating DC	530 mW
Coil Resistance	47 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	5 VDC
Contact Switching Load (Min)	100mA @ 12V
Contact Switching Voltage (Max)	300 VDC
Contact Voltage Rating	300 VDC

Body Features

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

Contact Features

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

Termination Features

Relay Termination Type	Printed Circuit Terminals

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	25 – 30 mm
Base Dimensions	29 x 12.7 mm
Height Class (Mechanical)	15 – 16 mm
Insulation Clearance Between Contact & Coil	10 mm[.394 in]
Dimensions (L x W x H) (Approximate)	29 x 12.7 x 15.7 mm

Insulation Clearance Class	8 mm
Width Class (Mechanical)	12 – 16 mm
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.142 in]
Product Height	15.7 mm[.618 in]

Usage Conditions

Environmental Ambient Temperature (Max)	70 °C[158 °F]
Environmental Ambient Temperature Class	50 – 70 °C

Packaging Features

Packaging Method	Box & Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

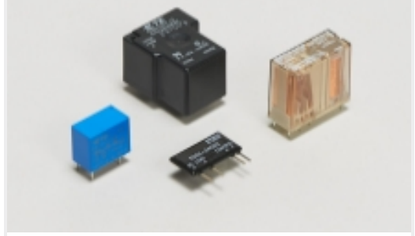
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Compatible Parts

TE Part # CAT-SCH691-R997
PCB Power Relay: 12-16 Amp, Monostable

TE Part # 4-2158000-9
RZ03-1A4-D005-R

Also in the Series | SCHRACK Power PCB Relay RZ



Power Relays(103)

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_1-2158100-3_B.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_1-2158100-3_B.3d_stp.zip
English

Customer View Model
ENG_CVM_CVM_1-2158100-3_B.2d_dxf.zip
English

3D PDF
3D

Datasheets & Catalog Pages

RZL
English

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays
English