

5-1415390-1 ✓ ACTIVE

SCHRACK | SCHRACK Miniature PCB Relay PE bistable

TE Internal #: 5-1415390-1

SCHRACK Miniature PCB Relay PE bistable, Power Relays,
Standard, Bistable, 1 Coil, Polarized, 200 – 300mW Coil Power
Rating Class

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Bistable, 1 Coil, Polarized**

Coil Power Rating Class: **200 – 300 mW**

Coil Power Rating DC: **209 mW**

Coil Resistance: **2750 Ω**

Features

Product Type Features

| | |
|------------------|----------|
| Power Relay Type | Standard |
|------------------|----------|

Electrical Characteristics

| | |
|------------------------------------------------------------|-----------------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 3500 – 4000 V |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Limiting Making Current | 5 A |
| Contact Limiting Short-Time Current | 5 A |
| Contact Limiting Continuous Current | 5 A |
| Insulation Creepage Class | 3 – 5.5 mm |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |
| Insulation Initial Resistance | 10000000 M Ω |
| Insulation Creepage Between Contact & Coil | 4 mm[.157 in] |
| Contact Limiting Breaking Current | 5 A |
| Coil Magnetic System | Bistable, 1 Coil, Polarized |
| Coil Power Rating Class | 200 – 300 mW |
| Coil Power Rating DC | 209 mW |
| Coil Resistance | 2750 Ω |
| Coil Voltage Rating | 24 VDC |
| Contact Switching Voltage (Max) | 400 VAC |



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|------------------------|---------|
| Contact Voltage Rating | 250 VAC |
|------------------------|---------|

Body Features

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|-----------------------------|-------------------------------------|
| Insulation Special Features | Tracking Index of Relay Base PTI250 |
|-----------------------------|-------------------------------------|

| | |
|----------------|---------------|
| Product Weight | 5 g[.1764 oz] |
|----------------|---------------|

Contact Features

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|---------------------|---------------|
| Contact Arrangement | 1 Form C (CO) |
|---------------------|---------------|

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|-----------------------|----------------|
| Contact Current Class | 5 – 10 A, 16 A |
|-----------------------|----------------|

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 5 A |
|------------------------------|-----|

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|------------------|-----------|
| Contact Material | AgNi90/10 |
|------------------|-----------|

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|-------------------------|---|
| Contact Number of Poles | 1 |
|-------------------------|---|

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|---------------|---------|
| Terminal Type | PCB-THT |
|---------------|---------|

Mechanical Attachment

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|---------------------|-----------------------|
| Relay Mounting Type | Printed Circuit Board |
|---------------------|-----------------------|

Dimensions

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|---------------------------|------------|
| Length Class (Mechanical) | 16 – 20 mm |
|---------------------------|------------|

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|----------------------------|------------|
| Insulation Clearance Class | 2.5 – 4 mm |
|----------------------------|------------|

| | |
|---------------------------|-----------|
| Height Class (Mechanical) | 9 – 10 mm |
|---------------------------|-----------|

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|---------------------------------------------|-----------------|
| Insulation Clearance Between Contact & Coil | 3.2 mm[.126 in] |
|---------------------------------------------|-----------------|

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|--------------------------|-----------|
| Width Class (Mechanical) | 8 – 10 mm |
|--------------------------|-----------|

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|---------------|----------------|
| Product Width | 10 mm[.394 in] |
|---------------|----------------|

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|----------------|----------------|
| Product Length | 20 mm[.787 in] |
|----------------|----------------|

| | |
|----------------|----------------|
| Product Height | 10 mm[.394 in] |
|----------------|----------------|

Usage Conditions

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|-----------------------------------------|------------|
| Environmental Ambient Temperature Class | 70 – 85 °C |
|-----------------------------------------|------------|

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|-----------------------------------------|---------------|
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |
|-----------------------------------------|---------------|

Packaging Features

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|------------------|--------------------|
| Packaging Method | Box & Tube, Carton |
|------------------|--------------------|

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 |
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| | |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: 4,4'-isopropylidenediphenol (Bisphenol A) (.3% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°C |

Product Compliance 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, DBP, BBP, DEHP, DIBP, 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | **SCHRACK Miniature PCB Relay PE bistable**



Power Relays(40)

Customers Also Bought



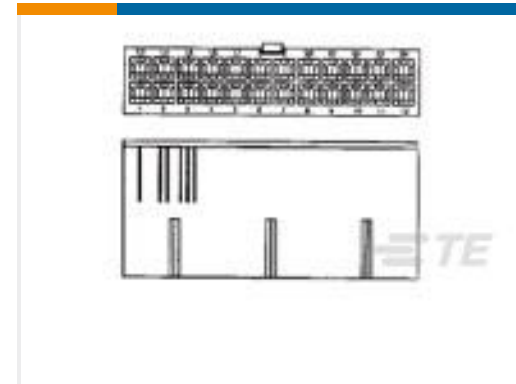
TE Part #154N-005G-RT
MEDIA ISOLATED PRESSURE STOCK LIST



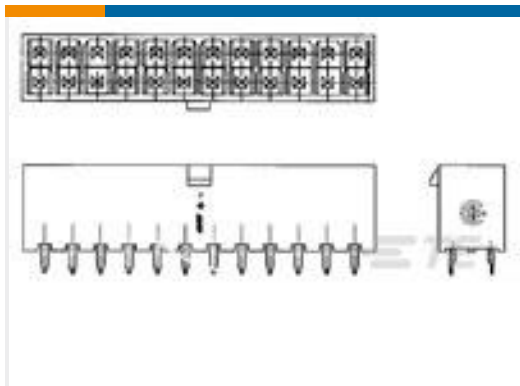
TE Part #1-2176052-8
Thick Film Resistor: Current Sense



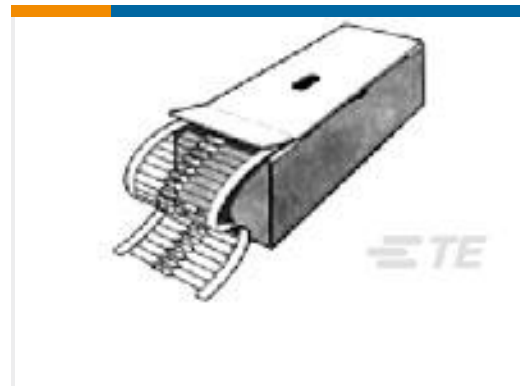
TE Part #1623804-8
Wirewound Resistor: Horizontal Mount



TE Part #1586000-8
8P FH PLUG VAL-U-LOK V2



TE Part #1-1586037-6
16P VERT HDR VAL-U-LOK V2



TE Part #1-1624235-5
ES 3WATT R05 5% T/B



TE Part #1622453-1
LR1 1% 390K



TE Part #1-1393204-0
V23148-B0007-A101



TE Part #1622727-1
LR2 1% 2K7



TE Part #F766883001
RAY-90-4.0(100)

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_5-1415390-1_B.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5-1415390-1_B.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_5-1415390-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Miniature PCB Relay PE bistable](#)

English

[Industrial Relays Quick Reference Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

Agency Approvals

[VDE Certificate](#)

English