

3-1415390-1 ✓ ACTIVE

SCHRACK | SCHRACK Miniature PCB Relay PE bistable

TE Internal #: 3-1415390-1

Power Relays, Standard, Bistable, 1 Coil, Polarized, 222 mW Coil

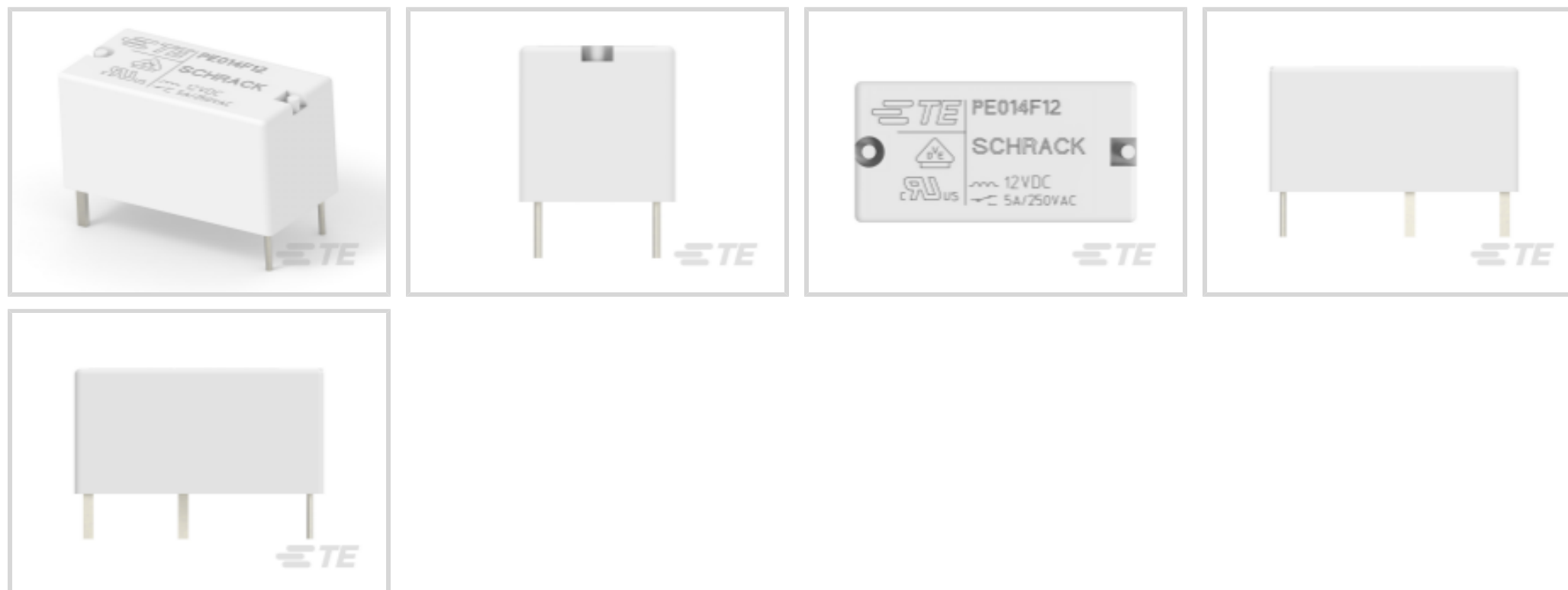
Power Rating DC, 650 Ω Coil Resistance, SCHRACK Miniature PCB

Relay PE bistable

[View on TE.com >](#)



Relays & Contactors > Relays > Power Relays



Power Relay Type: **Standard**

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

Coil Power Rating DC: **222 mW**

Coil Resistance: **650 Ω**

Coil Voltage Rating: **12 VDC**

Features

Product Type Features

| | |
|-----------------------|-----------------|
| Power Relay Type | Standard |
| Relay Connection Type | PCB Solder Pins |

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 |
| Coil Power Rating Class | 200 – 300 mW |
| 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 DC | 222 mW |
|----------------------|--------|

| | |
|-----------------|--------------|
| Coil Resistance | 650 Ω |
|-----------------|--------------|

| | |
|---------------------|--------|
| Coil Voltage Rating | 12 VDC |
|---------------------|--------|

| | |
|---------------------------------|---------|
| Contact Switching Voltage (Max) | 400 VAC |
|---------------------------------|---------|

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

Body Features

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

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

Contact Features

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

| | |
|-----------------------|------|
| Contact Current Class | 16 A |
|-----------------------|------|

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

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

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

Mechanical Attachment

| | |
|--------------------|-----------------------|
| Product Mount Type | Printed Circuit Board |
|--------------------|-----------------------|

Dimensions

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

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

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

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

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

| | |
|---------------|----------------|
| Product Width | 10 mm[.393 in] |
|---------------|----------------|

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

| | |
|----------------|----------------|
| Product Height | 10 mm[.393 in] |
|----------------|----------------|

Usage Conditions

| | |
|---|----------------------|
| Environmental Ambient Temperature Class | 70 – 85 $^{\circ}$ C |
|---|----------------------|

| | |
|---|-----------------------------------|
| Environmental Ambient Temperature (Max) | 85 $^{\circ}$ C[185 $^{\circ}$ F] |
|---|-----------------------------------|

Packaging Features

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

Other

Solder Process

Wave Solder

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: JAN 2024
(240)
Candidate List Declared Against: JAN 2024
(240)
Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

Solder Process Capability

Wave solder capable to 260°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 #1-1415898-4
RTS3L024TE Part #1419108-7
RT28516TE Part #2-1393240-8
RT33LF12TE Part #2-1393238-6
RTB14730TE Part #7-1879352-7
RR02 5% 470R AMMOTE Part #4-6474612-4
FSN-11A-7TE Part #1393230-2
RP3SLA06TE Part #1860991-1
RT78602, RELAY SOCKET PCB 5MMTE Part #3-1437130-4
FSN-11A-6=NOMEX FS STDTE Part #4-1415898-2
RTS3LF03

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_3-1415390-1_E2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1415390-1_E2.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1415390-1_E2.2d_dxf.zip](#)



English

[3D PDF](#)

[3D](#)

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

Product Specifications

[Definitions General Purpose Relays](#)

English

Agency Approvals

[VDE Certificate](#)

English