

V23047A1012A511 ✓ ACTIVE

SCHRACK | SCHRACK SR2M

TE Internal #: 1393258-5

SCHRACK SR2M, Power Relays, Force-Guided, Monostable, DC,
600 – 800mW Coil Power Rating Class, 699mW Coil Power Rating
DC, 206Ω Coil Resistance

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Force-Guided**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **600 – 800 mW**

Coil Power Rating DC: **699 mW**

Coil Resistance: **206 Ω**

Features

Product Type Features

| | |
|------------------|--------------|
| Power Relay Type | Force-Guided |
|------------------|--------------|

Electrical Characteristics

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|--|---------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 3500 – 4000 V |
|--|---------------|

| | |
|---|-----------|
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms |
|---|-----------|

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|---------------------------------|-----|
| Contact Limiting Making Current | 6 A |
|---------------------------------|-----|

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|-------------------------------------|-----|
| Contact Limiting Short-Time Current | 6 A |
|-------------------------------------|-----|

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|-------------------------------------|-----|
| Contact Limiting Continuous Current | 6 A |
|-------------------------------------|-----|

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|---------------------------|------------|
| Insulation Creepage Class | 5.5 – 8 mm |
|---------------------------|------------|

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|---|-----------|
| Insulation Initial Dielectric Between Adjacent Contacts | 3000 Vrms |
|---|-----------|

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|---|-----------|
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |
|---|-----------|

| | |
|--|---------------|
| Insulation Creepage Between Contact & Coil | 8 mm[.315 in] |
|--|---------------|

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|-----------------------------------|-----|
| Contact Limiting Breaking Current | 6 A |
|-----------------------------------|-----|

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|----------------------|----------------|
| Coil Magnetic System | Monostable, DC |
|----------------------|----------------|

| | |
|-------------------------|--------------|
| Coil Power Rating Class | 600 – 800 mW |
|-------------------------|--------------|

| | |
|----------------------|--------|
| Coil Power Rating DC | 699 mW |
|----------------------|--------|

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|-----------------|-------|
| Coil Resistance | 206 Ω |
|-----------------|-------|

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

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|------------------------------|-----------|
| Contact Switching Load (Min) | 10mA @ 5V |
|------------------------------|-----------|



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

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

Body Features

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|----------------|---------------|
| Product Weight | 20 g[.706 oz] |
|----------------|---------------|

Contact Features

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|--------------------------|-----------------------|
| Contact Special Features | Force Guided Contacts |
|--------------------------|-----------------------|

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|---------------------|-------------------------------|
| Contact Arrangement | 1 Form A (NO) + 1 Form B (NC) |
|---------------------|-------------------------------|

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

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 6 A |
|------------------------------|-----|

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|------------------|------|
| Contact Material | AgNi |
|------------------|------|

| | |
|-------------------------|---|
| Contact Number of Poles | 2 |
|-------------------------|---|

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

Mechanical Attachment

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

Dimensions

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|---------------------------|------------|
| Length Class (Mechanical) | 25 – 30 mm |
|---------------------------|------------|

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|----------------------------|----------|
| Insulation Clearance Class | 5 – 8 mm |
|----------------------------|----------|

| | |
|---------------------------|------------|
| Height Class (Mechanical) | 25 – 30 mm |
|---------------------------|------------|

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|---|---------------|
| Insulation Clearance Between Contact & Coil | 8 mm[.315 in] |
|---|---------------|

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|--------------------------|------------|
| Width Class (Mechanical) | 12 – 16 mm |
|--------------------------|------------|

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|---------------|------------------|
| Product Width | 12.6 mm[.496 in] |
|---------------|------------------|

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|----------------|-----------------|
| Product Length | 29 mm[1.142 in] |
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|----------------|-------------------|
| Product Height | 25.5 mm[1.004 in] |
|----------------|-------------------|

Usage Conditions

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|---|-------------|
| Environmental Ambient Temperature Class | -25 – 70 °C |
|---|-------------|

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|---|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
|---|---------------|

Packaging Features

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

Other

| | |
|---------|--|
| Comment | Well suited for emergency shut-off, machine control, elevator and escalator control, light barrier control |
|---------|--|

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 SR2M**



Power Relays(33)

Customers Also Bought



TE Part #MS580330BA01-00
 BOARD LEVEL PRESSURE STOCK LIST



TE Part #1393258-4
 Force Guided Power Relay, 2 Poles



TE Part #1415015-1
 Forced Guided Relay, Reinforced Insulate



TE Part #1393215-4
 V23057-A0002-A101



TE Part #1-1393763-0
 V23100V4015A000



TE Part #1-1625892-8
 3W SM M/OX 5% 180K



TE Part #1-1393779-6
 V23101D 6B201



TE Part #1-1393779-3
 V23101D 6A201



TE Part #1-9711111-3
 10W FRC MADISON SPEC 100-4703
 REV. 7

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1393258-5_C.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)

[ENG_CVM_CVM_1393258-5_C.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1393258-5_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

Safety Relay SR2M

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