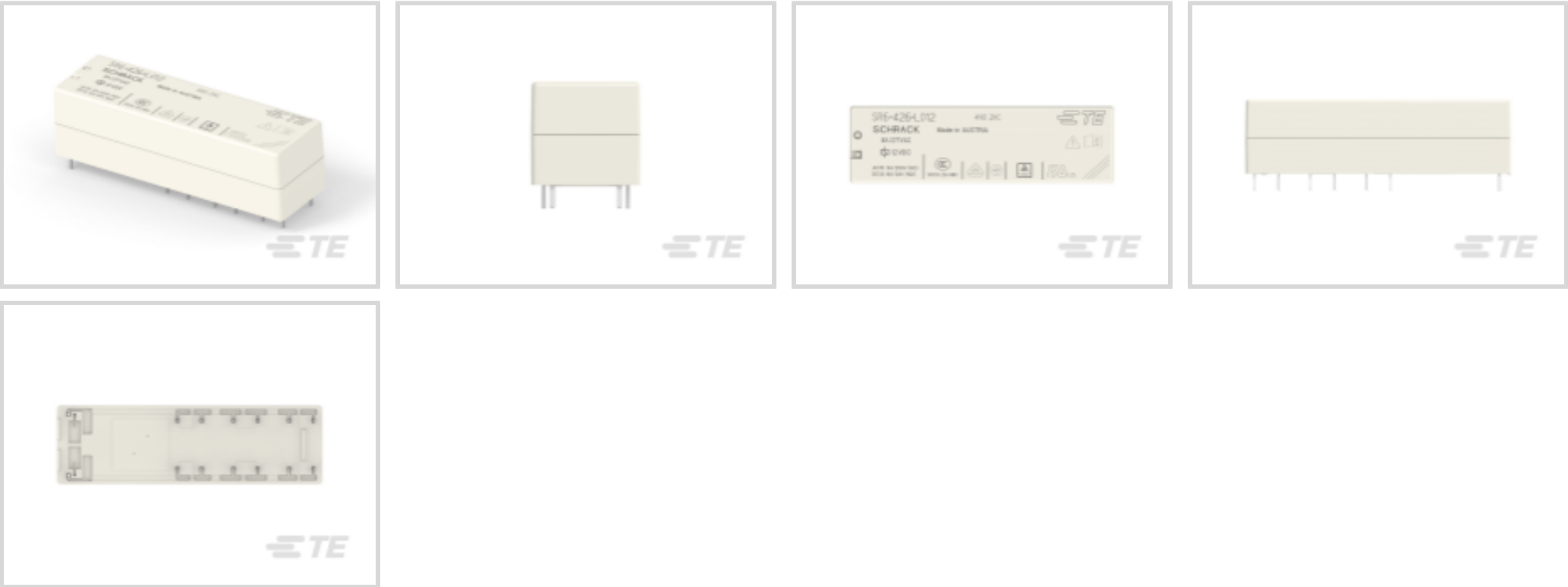




Relays & Contactors > Electromechanical Relays > Force Guided Relay with 6 contacts



Relay & Contactor Type: **Force-Guided Relay**

Contact Arrangement: **4A (NO) + 2B (NC)**

Contact Current Rating: **8 A**

Coil Voltage Rating: **12 VDC**

Contact Voltage Rating: **277 VAC**

[All Force Guided Relay with 6 contacts \(75\)](#)

Features

Product Type Features

| | |
|------------------------|--------------------|
| Relay & Contactor Type | Force-Guided Relay |
|------------------------|--------------------|

Configuration Features

| | |
|-------------------------|-------------------|
| Contact Number of Poles | 6 |
| Contact Arrangement | 4A (NO) + 2B (NC) |

Electrical Characteristics

| | |
|---------------------------------------------------------|-----------|
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms |
| Insulation Initial Dielectric Between Adjacent Contacts | 3000 Vrms |
| Contact Switching Voltage (Max) | 400 VAC |
| Contact Switching Load (Min) | 1mA @ 5V |
| Coil Resistance | 205 Ω |
| Contact Current Rating | 8 A |
| Coil Voltage Rating | 12 VDC |



| | |
|-------------------------------------------------------|-----------|
| Contact Voltage Rating | 277 VAC |
| Coil Power Rating DC | .7 W |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |

Body Features

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|----------------|----------------------------------------------------|
| Product Weight | 29.5 g[1.041 oz] |
| Enclosure Type | Flux Resistant Automatic Solder Capable & Washable |

Contact Features

| | |
|--------------------------|------|
| Contact Plating Material | Gold |
|--------------------------|------|

Termination Features

| | |
|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

| | |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

| | |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 5.6 mm[.22 in] |
| Insulation Creepage Between Contact & Coil | 5.6 mm[.22 in] |
| Product Width | 16.5 mm[.649 in] |
| Product Length | 55 mm[2.16 in] |
| Product Height | 15.7 mm[.618 in] |

Usage Conditions

| | |
|-----------------------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
| Environmental Category of Protection | RTIII |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |

Operation/Application

| | |
|----------------|---------------------|
| Solder Process | Wave Solder Capable |
|----------------|---------------------|

Product Availability

| | |
|----------------------|-----------|
| Product Availability | Worldwide |
|----------------------|-----------|

Packaging Features

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

Other

| | |
|-------------------------|-----------|
| Coil Power Rating Class | .6 – .8 W |
|-------------------------|-----------|



| | |
|-----------------------------------------|------------|
| Contact Current Class | 5 – 10 A |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Height Class (Mechanical) | 15 – 16 mm |
| Length Class (Mechanical) | 50 – 60 mm |
| Width Class (Mechanical) | 16 – 20 mm |

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 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.

Compatible Parts



Also in the Series

SCHRACK SR6



Documents

- CAD Files

Customer View Model

ENG_CVM_CVM_2-1558737-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1558737-4_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2-1558737-4_A.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

Force Guided Relay SR6 Next Generation

English

- Agency Approvals

UL

English