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SCHRACK | SCHRACK Force Guided Relay SR6 A/B/C/V

TE Internal #: 5-1415019-1

SCHRACK Force Guided Relay SR6 A/B/C/V , Power Relays, Force-Guided, Monostable, DC, 1000 – 1500mW Coil Power Rating Class

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Force-Guided**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **1000 – 1500 mW**

Coil Power Rating DC: **1200 mW**

Coil Resistance: **10080 Ω**

## Features

### Product Type Features

Power Relay Type	Force-Guided
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### Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Contact Limiting Making Current	8 A
Contact Limiting Short-Time Current	8 A
Contact Limiting Continuous Current	8 A
Insulation Creepage Class	3 – 5.5 mm
Insulation Initial Dielectric Between Adjacent Contacts	3000 Vrms
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Creepage Between Contact & Coil	5.5 mm[.217 in]
Contact Limiting Breaking Current	8 A
Coil Current	.011 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	1000 – 1500 mW
Coil Power Rating DC	1200 mW
Coil Resistance	10080 Ω
Coil Voltage Rating	110 VDC
Contact Switching Load (Min)	10mA @ 5V

Contact Switching Voltage (Max)	400 VAC
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Contact Voltage Rating	250 VAC
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### Body Features

Product Weight	30 g[1.058 oz]
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### Contact Features

Contact Special Features	Force Guided Contacts
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Contact Arrangement	5 Form A (NO) + 1 Form B (NC)
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Contact Current Class	5 – 10 A
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Contact Current Rating (Max)	8 A
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Contact Material	AgSnO <sub>2</sub>
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Contact Number of Poles	6
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Terminal Type	PCB-THT
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### Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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### Dimensions

Length Class (Mechanical)	50 – 60 mm
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Insulation Clearance Class	5 – 8 mm
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Height Class (Mechanical)	16 – 20 mm
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Insulation Clearance Between Contact & Coil	5.5 mm[.217 in]
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Width Class (Mechanical)	16 – 20 mm
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Product Width	16.51 mm[.65 in]
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Product Length	55 mm[2.167 in]
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Product Height	16.5 mm[.65 in]
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### Usage Conditions

Environmental Ambient Temperature Class	-25 – 70 °C
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Environmental Ambient Temperature (Max)	70 °C[158 °F]
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Environmental Category of Protection	RTIII
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### Packaging Features

Packaging Method	Box & Tube, Tube
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### Other

Comment	Well suited for emergency shut-off, machine control, elevator and escalator control, light barrier control
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## 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 2020 (205) Candidate List Declared Against: JUL 2019 (201) 4,4'-isopropylidenediphenol (Bisphenol A) (.3% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°C

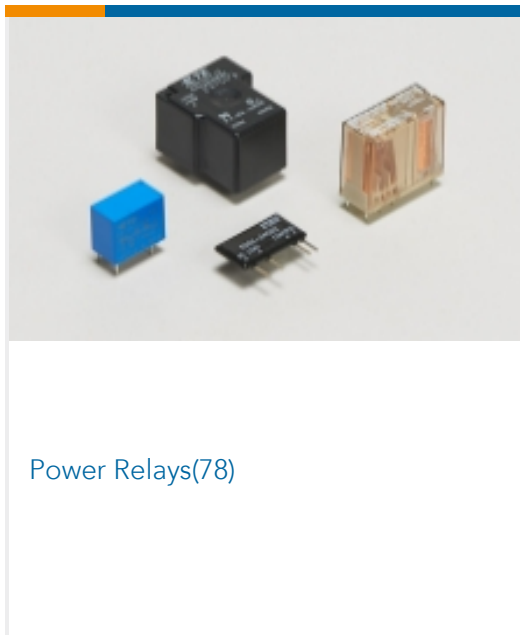
### Product Compliance Disclaimer

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.

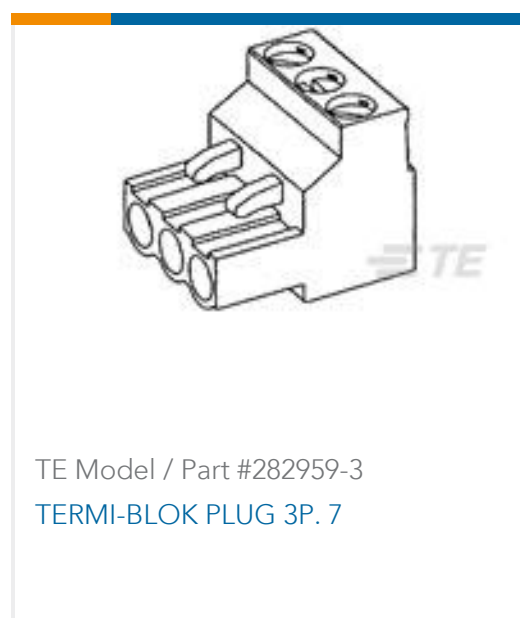
## Compatible Parts



## Also in the Series | SCHRACK Force Guided Relay SR6 A/B/C/V



## Customers Also Bought





## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-1415019-1\\_G.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-1415019-1\\_G.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-1415019-1\\_G.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### Safety Relay SR6

English

#### Industrial Relays Quick Reference Guide

English

### Product Specifications

#### Definitions Relays

English

### Product Environmental Compliance

#### REACH Substance Communication Document

English

### Agency Approvals

#### VDE Certificate

English