# 2-1558737-4 ACTIVE

### SCHRACK | SCHRACK SR6

TE Internal #: 2-1558737-4

Force-Guided Relay, 4A (NO) + 2B (NC), 8 A Contact Rating, 12 VDC Coil Voltage, 277 VAC Contact Voltage, .7 W Coil Power, Board Mount, SCHRACK SR6

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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



Product Weight 29.5 g(1.041 ez) 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 Board Mount  Product Mount Type Board Mount  Product Mount Type Board Mount  Dimensions  Insulation Clearance Between Contact & Coil 5.6 mm, 22 in] Insulation Crepage Between Contact & Coil 5.6 mm, 22 in] Product Width 16.5 mm, 49 in] Product Length 5.5 mm, 2.16 in]  Product Height 15.7 mm, 418 in]  Usage Conditions  Ciperating 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  Product Availability  Packaging Features  Product Mount Izer Packaging Method Box & Tube	Contact Voltage Rating	277 VAC
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 Retween Contact & Coil 5.6 mm [22 in]  Insulation Creepage Between Contact & Coil 5.6 mm [21 in]  Product Width 5.5 mm [2.16 in]  Product Length 5.5 mm [2.16 in]  Product Length 15.7 mm [418 in]  Usage Conditions  Operating Temperature Range 40 85 °C [40 - 185 °F]  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 85 °C [45 °F]  Operation/Application  Solder Process Washability  Product Availability  Product Availability	Coil Power Rating DC	.7 W
Product Weight 29.5 g[1.041 oz] Enclosure Type Rusesistant 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 5.5 mm [24 in] Product Width 16.5 mm [449 in] Product Length 55 mm [216 in]  Product Height 157 mm [618 in]  Usage Conditions  Operating Temperature Range 40 – 85 °C[40 – 185 °F] Finvironmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 85 °C[45 °T]  Operation/Application  Solder Process Wave Solder Capable  Product Availability  Product Plate Type Type Type Type Type Type Type Typ	Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Enclosure Type Contact Features Contact Plating Material 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 Insulation Creepage Between Contact & Coil Insulation Creepage Between Contact & Coil Sof mmi(.22 in) Product Width 16.5 mmi(.49 in) Product Length Froduct Length Toduct Height Usage Conditions  Operating Temperature Range Finitronmental Category of Protection Environmental Ambient Temperature (Max) Solder Process Wave Solder Capable Product Availability Product Availability Product Availability Product Availability Product Availability Packaging Features Packaging Method Box & Tube	Body Features	
Contact Plating Material Contact Plating Material Contact Plating Material Contact Plating Material Coll Termination & Connection Type Solder Pins Coll Termination & Connection Type Solder Pins Coll Termination & Connection Type Mechanical Attachment Product Mount Type Board Mount Dimensions Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil Solder Pins Froduct Width Solder Pins Solder Pins  16.5 mm[.22 in] Froduct Length Froduct Height Solder Mill Usage Conditions  Operating Temperature Range 40 85 °C[ 40 185 °F] Environmental Category of Protection RTIII Linvironmental Ambient Temperature (Max) Solder Process Wave Solder Capable Product Availability Product Availability Product Availability Product Availability Product Availability Packaging Method Box & Tube	Product Weight	29.5 g[1.041 oz]
Contact Plating Material  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 Insulation Creepage Between Contact & Coil Insulation Creepage Between Contact & Coil Softmm[.22 in] Insulation Creepage Between Contact & Coil Softmm[.22 in] Product Width Softmm[.22 in] Product Length Softmm[.21 in] Product Length Softmm[.21 in]  Product Height Softmm[.21 in]  Usage Conditions  Operating Temperature Range -40 - 85 °C[-40 - 185 °F]  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max)  Operation/Application  Solder Process Wave Solder Capable  Product Availability Product Availability Product Availability Product Availability Packaging Features  Packaging Method  Box & Tube	Enclosure Type	•
Main Termination & Connection Type  Coil Termination & Connection Type  Solder Pins  Coil Termination & Connection Type  Mechanical Attachment  Product Mount Type  Board Mount  Product Mount Type  Board Mount  Dimensions  Insulation Clearance Between Contact & Coil  Insulation Creepage Between Contact & Coil  Insulation Creepage Between Contact & Coil  Product Width  16.5 mm[.22 in]  Product Length  Somm[.21 in]  Product Length  Somm[.21 in]  Product Height  Usage Conditions  Operating Temperature Range  40 - 85 "C  40 - 185 "F   Environmental Category of Protection  RTIII  Environmental Ambient Temperature (Max)  Solder Process  Wave Solder Capable  Product Availability  Product Availability  Product Availability  Product Availability  Packaging Features  Packaging Method  Box & Tube	Contact Features	
Main Termination & Connection Type Coil Termination & Connection Type Mechanical Attachment  Product Mount Type Board Mount  Dimensions Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil S.6 mm[,22 in] Insulation Creepage Between Contact & Coil S.6 mm[,22 in] Product Width S5 mm[,649 in] Product Length Froduct Length S5 mm[2.16 in] Product Height Usage Conditions  Operating Temperature Range A0 - 85 °C[,40 - 185 °F] Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) Solder Process Wave Solder Capable Product Availability Product Availability Product Availability Packaging Features Packaging Method Box & Tube	Contact Plating Material	Gold
Coil Termination & Connection Type  Mechanical Attachment  Product Mount Type  Board Mount  Dimensions  Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil Insulation Creepage Between Contact & Coil Product Width Is 55 mm[,22 in]  Product Length Foduct Length Foduct Height Is 57 mm[,649 in]  Usage Conditions  Operating Temperature Range 40 - 85 °C[ 40 - 185 °F]  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max)  Operation/Application  Solder Process Wave Solder Capable  Product Availability Product Availability  Product Availability  Packaging Features  Packaging Method  Box & Tube	Termination Features	
Mechanical Attachment Product Mount Type Board Mount  Dimensions Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil Product Width 16.5 mm[.42 in] Product Length Froduct Length 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) Solder Process Wave Solder Capable  Product Availability Product Availability Product Availability Packaging Features Packaging Method Box & Tube	Main Termination & Connection Type	Solder Pins
Product Mount Type  Dimensions  Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil Product Width 16.5 mm[.22 in] Product Length 55 mm[2.16 in] Product Height 15.7 mm[.618 in]  Usage Conditions  Operating Temperature Range Environmental Category of Protection Environmental Ambient Temperature (Max)  Operation/Application  Solder Process Wave Solder Capable  Product Availability Product Availability  Product Availability  Packaging Features  Packaging Method  Box & Tube	Coil Termination & Connection Type	Solder Pins
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  Product Availability  Packaging Features  Packaging Method Box & Tube	Mechanical Attachment	
Insulation Clearance Between Contact & Coil  Insulation Creepage Between Contact & Coil  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  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Solder Process  Wave Solder Capable  Product Availability  Product Availability  Product Availability  Packaging Features  Packaging Method  Box & Tube	Product Mount Type	Board Mount
Insulation Creepage Between Contact & Coil Product Width 16.5 mm[.22 in] Product Length 55 mm[2.16 in] Product Length 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)  Solder Process Wave Solder Capable  Product Availability Product Availability  Product Availability  Packaging Features  Packaging Method  Box & Tube	Dimensions	
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  Product Availability  Packaging Features  Packaging Method Box & Tube	Insulation Clearance Between Contact & Coil	5.6 mm[.22 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	Insulation Creepage Between Contact & Coil	5.6 mm[.22 in]
Product Height  Usage Conditions  Operating Temperature Range  -40 – 85 °C[-40 – 185 °F]  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Solder Process  Wave Solder Capable  Product Availability  Product Availability  Worldwide  Packaging Features  Packaging Method  Box & Tube	Product Width	16.5 mm[.649 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	Product Length	55 mm[2.16 in]
Operating Temperature Range  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Operation/Application  Solder Process  Wave Solder Capable  Product Availability  Product Availability  Worldwide  Packaging Features  Packaging Method  Box & Tube	Product Height	15.7 mm[.618 in]
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	Usage Conditions	
Environmental Ambient Temperature (Max)  Operation/Application  Solder Process  Wave Solder Capable  Product Availability  Product Availability  Worldwide  Packaging Features  Packaging Method  Box & Tube	Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application  Solder Process Wave Solder Capable  Product Availability  Product Availability Worldwide  Packaging Features  Packaging Method Box & Tube	Environmental Category of Protection	RTIII
Solder Process  Product Availability  Product Availability  Worldwide  Packaging Features  Packaging Method  Box & Tube	Environmental Ambient Temperature (Max)	85 °C[185 °F]
Product Availability Product Availability  Worldwide  Packaging Features  Packaging Method  Box & Tube	Operation/Application	
Product Availability  Packaging Features  Packaging Method  Box & Tube	Solder Process	Wave Solder Capable
Packaging Features  Packaging Method  Box & Tube	Product Availability	
Packaging Method  Box & Tube	Product Availability	Worldwide
	Packaging Features	
Other	Packaging Method	Box & Tube
	Other	
Coil Power Rating Class .6 – .8 W	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