8-1415536-6 ✔ ACTIVE

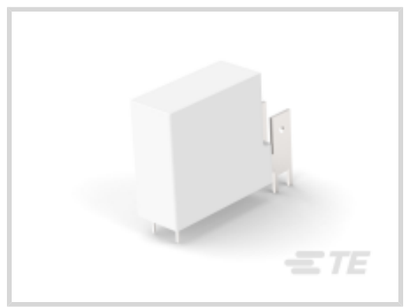
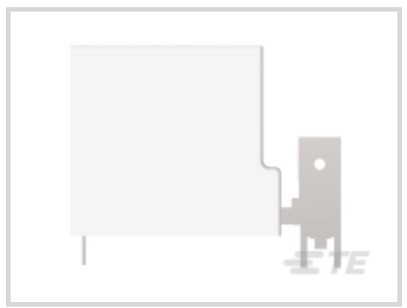
SCHRACK | SCHRACK 41083

TE Internal #: 8-1415536-6

Power Relays, Standard, Monostable, DC, 360 mW Coil Power Rating DC, 1600 Ω Coil Resistance, UL Coil Insulation Class F, SCHRACK 41083

View on TE.com >

Relays, Contactors & Switches > Relays > Power Relays

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **360 mW**

Coil Resistance: **1600 Ω**

Coil Special Features: **UL Coil Insulation Class F**

Features

Product Type Features

Power Relay Type	Standard

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V, 4000 V, 4000 – 5000 V
Insulation Initial Dielectric Between Open Contacts	2000 Vrms
Contact Limiting Making Current	20 A
Contact Limiting Continuous Current	16 A
Insulation Creepage Class	5.5 – 8 mm
Coil Power Rating Class	300 – 400 mW
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Contact Limiting Breaking Current	16 A
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	360 mW
Coil Resistance	1600 Ω

Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	24 VDC
Contact Switching Voltage (Max)	300 VDC
Contact Voltage Rating	250 VAC

Body Features

Insulation Special Features	8000V Initial Surge Withstand Voltage between Contacts & Coil, Tracking Index of Relay Base PTI250
Product Weight	24 g[.847 oz]

Contact Features

Contact Special Features	3mm Contact Gap, Bridging Contacts
Contact Arrangement	1 Form X (NO, Bridging)
Contact Current Class	10 – 20 A, 16 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi
Contact Number of Poles	1
Relay Terminal Type	PCB-THT, Quick Connect

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	40 – 50 mm
Insulation Clearance Class	5 – 8 mm
Height Class (Mechanical)	25 – 30 mm
Insulation Clearance Between Contact & Coil	8 mm[.315 in]
Width Class (Mechanical)	12 – 16 mm
Product Width	12.5 mm[.492 in]
Product Length	40.5 mm[1.594 in]
Product Height	28.5 mm[1.122 in]

Usage Conditions

Environmental Ambient Temperature Class	-20 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Packaging Features

Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

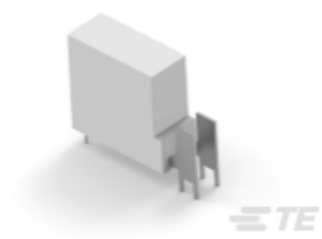
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

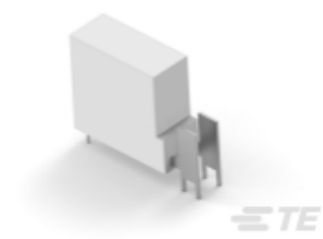
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

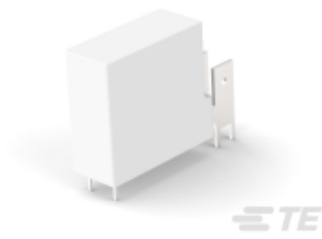
TE Part # 8-1415536-7
0410 83 050 001WG



TE Part # 6-1415536-4
0410 63 042 005WG

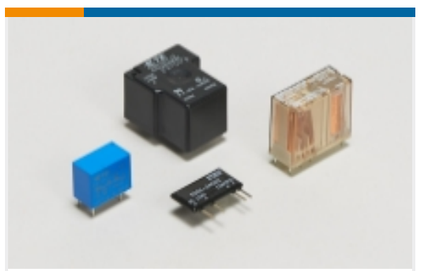


TE Part # 6-1415536-7
0410 63 046 005WG



TE Part # 9-1415535-3
0410 63 050 005WG

Also in the Series | SCHRACK 41083

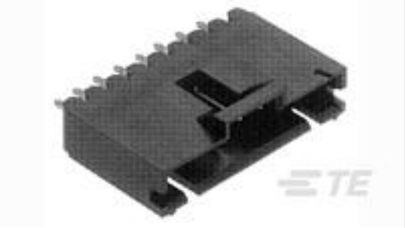


Power Relays(2)

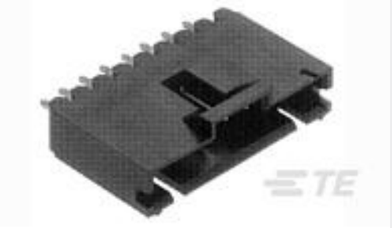
Customers Also Bought

TE Part #6-1415027-1
SR6D4024

TE Part #2-5050871-3
SOCKET,MIN-SPR SN-AU SER-5



TE Part #103670-2
03 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103908-2
03 MTE HDR SRST LATCH W/HLDWN

TE Part #5-146128-4
06 MODII HDR SR SFMNT B/A .100

TE Part #5-2176371-2
RQ 0603 15K8 0.1% 10PPM 5K RL

TE Part #5050863-8
SOCKET,MIN-SPR SN-SN SER-2

TE Part #4-1768017-2
EET-0606P-9

TE Part #1393557-7
C42334A 386C 61=BKLEV 413 BUEG

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_8-1415536-6_B.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_8-1415536-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1415536-6_B.3d_stp.zip

English

Datasheets & Catalog Pages

Power Relay 41083 3mm

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English