4-1416200-9 ✔ ACTIVE

SCHRACK | SCHRACK Low Power PCB Relays

TE Internal #: 4-1416200-9

Power Relays, General Purpose Power Relay, Monostable, 221 mW Coil Power Rating DC, 652 Ω Coil Resistance, SCHRACK Low Power PCB Relays

View on TE.com >

Relays & Contactors > Relays > Power Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **221 mW**

Coil Resistance: **652 Ω**

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

Features

Product Type Features

Relay Type	General Purpose Power Relay

Configuration Features

Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	1000 V
Contact Limiting Making Current	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 A
Contact Limiting Breaking Current	10 A
Coil Power Rating DC	221 mW
Coil Resistance	652 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	8 A
Contact Switching Load (Min)	100mA @ 12V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

Product Weight	9.4 g[.388 oz]

Contact Features

Contact Material	AgSnO2

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board

Dimensions

Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Product Width	10 mm[.393 in]
Product Length	30 mm[1.18 in]
Product Height	15 mm[.59 in]

Usage Conditions

Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Tube

Other

Length Class (Mechanical)	25 – 30 mm
Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Environmental Ambient Temperature Class	70 – 85 °C
Coil Power Rating Class	200 – 300 mW
Width Class (Mechanical)	8 – 10 mm
Contact Current Class	16 A

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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

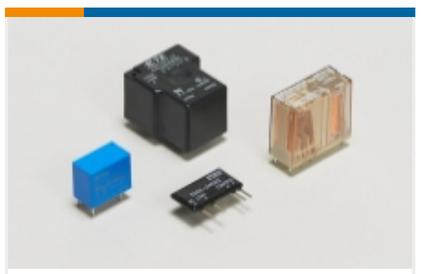
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 4-1416200-6
V23061D1007A301

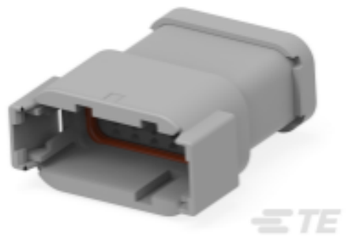
TE Part # 4-1416200-7
V23061D2007A301

Also in the Series | SCHRACK Low Power PCB Relays



Power Relays(20)

Customers Also Bought



TE Part #DTM04-12PA-E003
REC, 12P, GRY, N, CAP, A



TE Part #1860306-1
RT78725



TE Part #5-1393243-2
RT424F05



TE Part #320559
PIDG SPLICE 22-16COMM 22-18MIL

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_4-1416200-9_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_4-1416200-9_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_4-1416200-9_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Miniature Power PCB Relay MSR

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English