1393315-9 ✔ ACTIVE

High Current Relay HCR 150

TE Internal #: 1393315-9

High Current Relay, DC, Monostable, 1 Form X (DM), 130 A Contact Rating, 24 VDC Coil Voltage, 4.1 W Coil Power, High Current Relay HCR 150

View on TE.com >

Relays & Contactors > Electromechanical Relays

Relay & Contactor Type: **High Current Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form X (DM)**

Contact Current Rating: **130 A**

Features

Product Type Features

Relay & Contactor Type	High Current Relay

Configuration Features

Coil Special Features	Resistor in Parallel
Contact Arrangement	1 Form X (DM)

Electrical Characteristics

Contact Switching Load (Min)	1000mA @ 5VDC
Contact Limiting Making Current	300 A
Coil Resistance	141 Ω
Contact Limiting Continuous Current	180 A
Contact Limiting Breaking Current	300 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Current Rating	130 A
Coil Voltage Rating	24 VDC
Coil Power Rating DC	4.1 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Body Features

Product Weight	220 g[7.76 oz]
Enclosure Type	Dust Protected

Contact Features

Contact Material	Silver Alloy

Mechanical Attachment

Product Mounting Feature Type	Mounting Brackets

Dimensions

Product Width	45 mm[1.772 in]
Product Length	63 mm[2.48 in]
Product Height	40 mm[1.772 in]

Usage Conditions

Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	125 °C[257 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Other

Contact Current Class	>50 A
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	40 – 50 mm
Length Class (Mechanical)	>60 mm
Width Class (Mechanical)	30 – 40 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

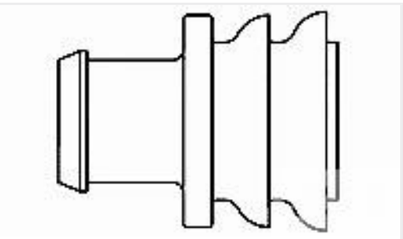
Not applicable for solder process capability

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

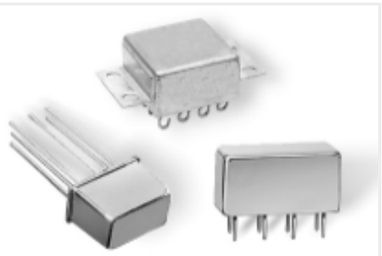
Compatible Parts

TE Part # 1-1393315-4
V23132M0000M000 HCR150 Samples



TE Part # 281934-2
SINGLE WIRE SEAL

Also in the Series | High Current Relay HCR 150



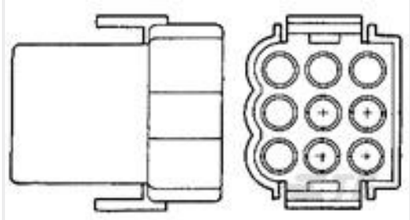
DC Relays(4)

Electromechanical Relays(4)

Customers Also Bought

TE Part #1-1393304-0
V23134J1052X281-EV-CBOX

TE Part #HD34-24-16PE-059
REC,16P,AL,E, CBL CLMP BT, DRAIN, 12,P,MC



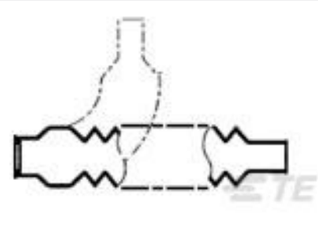
TE Part #1-480673-0
09P .140 MNL CAP PM NAT

TE Part #891199-000
202A163-25/225-0

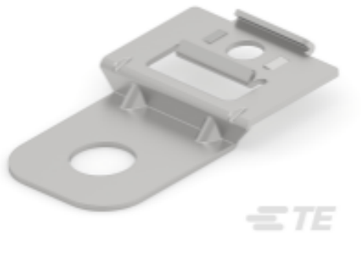
TE Part #344106-1
18W EMS.REC.HSG.ASSY.

TE Part #1-1670901-1
12POS,AMP MCP2.8,REC HSG,ASSY

TE Part #136826-1
SPEC TAB MAG MATE 6.35



TE Part #183277-000
202C611-71/86-0



TE Part #2379392-1
CLIP,SIDE HOLE MOUNT

TE Part #1-2103177-1
PLUG ASSY, KEY A, TA, HVA280-2PHI XE

Documents

Product Drawings

V23132B2002A200=HCR

English

CAD Files

Customer View Model

ENG_CVM_CVM_1393315-9_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1393315-9_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1393315-9_B.3d_stp.zip

English

Datasheets & Catalog Pages

Automotive Relay Application Notes

English

Product Specifications

Definitions General Purpose Relays

English