1393315-9 ✔ ACTIVE

High Current Relay HCR 150

TE Internal #: 1393315-9

24VDC Coil Voltage Rating, >50A Contact Current Class, Contact Arrangement 1 Form X (DM), High Current Relay HCR 150, Automotive High Current Relays

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Relays & Contactors > Relays > Automotive Relays > Automotive High Current Relays

Coil Voltage Rating: **24 VDC**

Contact Current Class: **>50 A**

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

Coil Special Features: **Resistor in Parallel**

Coil Magnetic System: **Monostable**

Features

Configuration Features

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

Electrical Characteristics

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

Body Features

Product Weight	220 g[7.76 oz]

Contact Features

Contact Material	Silver Alloy

Termination Features

Terminal Configuration	Screw Terminals

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

Length Class (Mechanical)	>60 mm
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	40 – 50 mm
Width Class (Mechanical)	30 – 40 mm
Contact Current Class	>50 A

Product Compliance

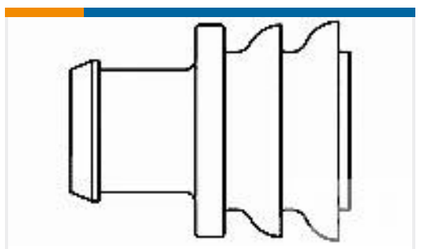
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) 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 # 281934-2
SINGLE WIRE SEAL

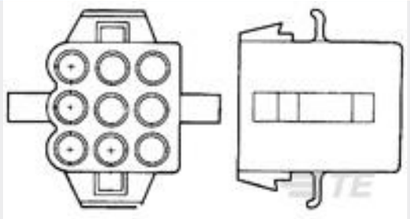
TE Part # 1-1393315-4
V23132M0000M000 HCR150 Samples

Also in the Series | High Current Relay HCR 150

Automotive High Current Relays(4)

Customers Also Bought

TE Part #1718489-1
AMP Unsealed Connector Housing

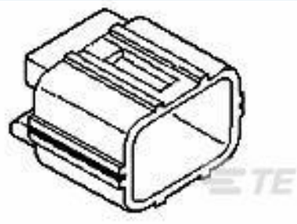


TE Part #1-480672-0
09P .140 MNL PLUG PM NAT

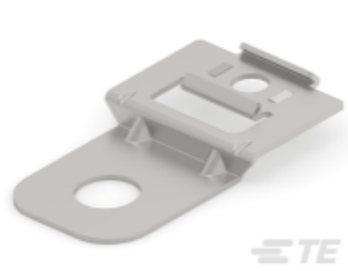
TE Part #K1143392
Battery Disconnector 35-411-120-R

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

TE Part #4-1393302-1
V23134A0052X278-EV-CBOX



TE Part #174360-7
070 ECONOSEAL MARK-2 P/CAP 3P



TE Part #2379392-1
CLIP,SIDE HOLE MOUNT

TE Part #825-066-101
405mm AM/ FM/ DAB ANTENNA ROD

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