

High Current Relay HCR 150

TE Internal #: 1393315-2

Automotive High Current Relays, 12VDC Coil Voltage Rating, >50A
Contact Current Class, Contact Arrangement 1 Form A (NO), High
Current Relay HCR 150

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Coil Voltage Rating: 12 VDC
Contact Current Class: >50 A
Contact Arrangement: 1 Form A (NO)
Coil Special Features: Resistor in Parallel
Coil Magnetic System: Monostable, DC

Features

Configuration Features

Contact Arrangement	1 Form A (NO)
Coil Special Features	Resistor in Parallel

Electrical Characteristics

Contact Limiting Continuous Current	180 A
Current Rating (85°C)	130 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	300 A
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Contact Limiting Breaking Current	300 A
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Power Rating DC	3900 mW
Coil Voltage Rating	12 VDC
Coil Resistance	37 Ω

Body Features

Product Weight	220 g[7.76 oz]
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Contact Features

Contact Material	Silver Alloy
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Termination Features



Terminal Configuration	Screw Terminals
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Mechanical Attachment

Product Mounting Feature Type	Mounting Brackets
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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 Ambient Temperature (Max)	125 °C[257 °F]
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Operation/Application

Coil Magnetic System	Monostable, DC
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Other

Length Class (Mechanical)	>60 mm
Environmental Ambient Temperature Class	105 - 125 °C
Insulation Initial Dielectric Between Coil & Contact Class	500 - 1000 V
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

 <p>TE Part # 281934-2 SINGLE WIRE SEAL</p>	 <p>TE Part # 9-1415001-5 V23132E2001A200</p>	 <p>TE Part # 1-1414476-0 V23132A2001X023</p>	 <p>TE Part # 1-1393315-4 V23132M0000M000 HCR150 Samples</p>
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Also in the Series | High Current Relay HCR 150



Automotive High Current Relays(5)

Customers Also Bought

 <p>TE Part # 1011-245-0805 BKSHL, 8P, BLK, REC, ST, NW8.5/10/13</p>	 <p>TE Part # K1131562 Battery Disconnect 35-221-131-R</p>	 <p>TE Part # 1600902-1 INSERT MBXL 2 SIGNAL LOCK 4POS</p>	 <p>TE Part # 2161643001 55A0111-20-8</p>
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TE Part # 2-2317670-1
V23720A0112B001-EV-CBOX

TE Part # K1138171
Relay 26-55-22-909

TE Part # ASU003-03SB-HE
RECEPT ASSY 2 HOLE MTG AS 3 WAY

TE Part # DTM8P-BT-BK
BOOT, 8P, REC, ST, BLK

TE Part # CQ52103001
100E1131-0.75-9/9/9-0

TE Part # CT79693001
55A0111-22-6CK0001

Documents

Product Drawings
V23132A2001A200=HCR

English

CAD Files
Customer View Model
ENG_CVM_CVM_1393315-2_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1393315-2_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1393315-2_B.3d_stp.zip

English

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Datasheets & Catalog Pages
Automotive Relay Application Notes

English

High Current Relay 150, High Current Devices, High Current Solutions

English

Product Specifications
Definitions General Purpose Relays

English

