

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, 24 VDC Contact Voltage, High Current Relay HCR 150

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **High Current Relay**
Coil Magnetic System: **Monostable**
Contact Arrangement: **1 Form X (DM)**
Current Type: **DC**
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 Limiting Making Current	300 A
Contact Limiting Continuous Current	180 A
Contact Limiting Breaking Current	300 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Resistance	141 Ω
Contact Current Rating	130 A
Coil Voltage Rating	24 VDC
Contact 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
Termination Features	
Main Termination & Connection Type	M6 Male
Coil Termination & Connection Type	Wire Connector
Mechanical Attachment	
Product Mounting Feature Type	Mounting Brackets
Product Mount Type	Panel Mount
Dimensions	
Product Width	45 mm[1.772 in]
Product Length	63 mm[2.48 in]
Product Height	40 mm[1.574 in]
Usage Conditions	
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	125 °C[257 °F]
Operation/Application	
Coil Magnetic System	Monostable
Current Type	DC
Other	
Coil Power Rating Class	>3 – ≤10 W
Contact Current Class	>50 – ≤200 A
Height Class (Mechanical)	>33 – ≤45 mm[>1.299 – ≤1.772 in]
Length Class (Mechanical)	>45 – ≤70 mm[>1.772 – ≤2.756 in]
Width Class (Mechanical)	>33 mm[>1.299 in]
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	有害物质含量符合标准要求 No Restricted

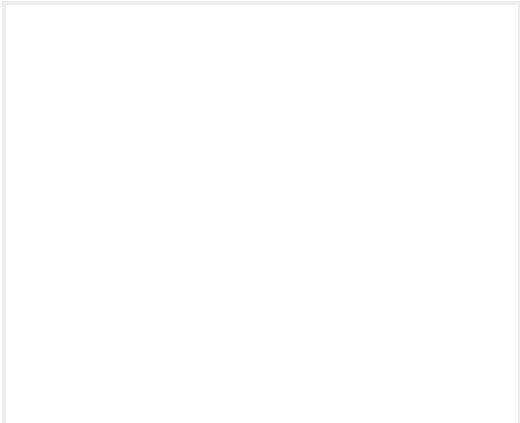


	Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

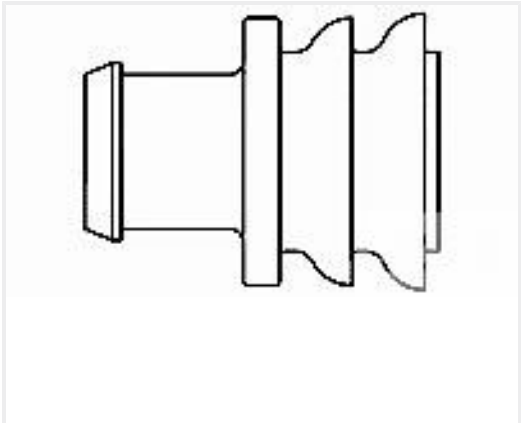
Product Compliance Disclaimer

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

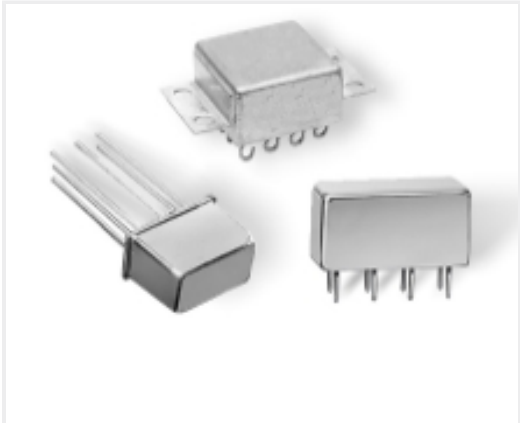


TE Part # 1-1393315-4
V23132M0000M000 HCR150 Samples



TE Part # 281934-2
SINGLE WIRE SEAL

Also in the Series | High Current Relay HCR 150



DC Relays(6)

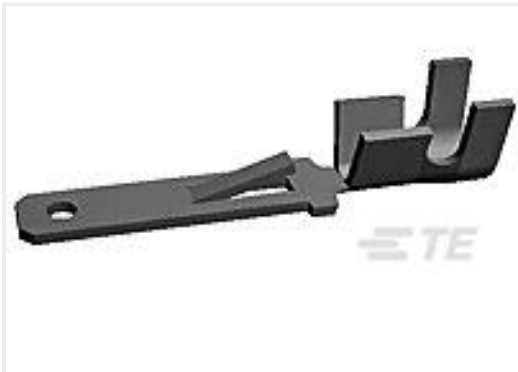


Electromechanical Relays(6)

Customers Also Bought



TE Part #800487-SF
FN351H-16-29



TE Part #160458-2
FF 250 TAB 18-16AWG TPPB LP



TE Part #928931-2
FF 110 (2.8 X 0.8 MM) TAB PTP
CUZN30



TE Part #CAT-T4827-CH8172
Timer Connector Housing



TE Part #6-1718323-1
2.8MM TAB HSG.,39POS.,ASSY



TE Part #1-1718628-1
AMP MCP 2.8 HSG. 4POS.,ASS'Y



TE Part #690438-1
FRONT STRIP GUIDE



TE Part #7-1393304-1
V23134M1052C642-EV-CBOX



TE Part #1-1904045-2
V23333Z1001A008-EV-100

Documents

Product Drawings

V23132B2002A200-EV-CBOX

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



Automotive Relay Application Notes

English

Product Specifications

Definitions General Purpose Relays

English