1-1414995-0 ✔ ACTIVE

High Current Relay HCR 200

TE Internal #: 1-1414995-0

High Current Relay, DC, Monostable, 1 Form B SPST-NC, 175 A Contact Rating, 12 VDC Coil Voltage, 12 VDC Contact Voltage, High Current Relay HCR 200

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Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form B SPST-NC**

Current Type: **DC**

Contact Current Rating: **175 A**

Features

Product Type Features

Relay & Contactor Type	High Current Relay

Configuration Features

Coil Special Features	Diode in Parallel
Contact Arrangement	1 Form B SPST-NC

Electrical Characteristics

Contact Switching Load (Min)	1000mA @ 5VDC
Contact Limiting Making Current	200 A
Coil Resistance	43 Ω
Contact Limiting Continuous Current	255 A
Contact Limiting Breaking Current	200 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Current Rating	175 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC
Coil Power Rating DC	3.3 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Body Features

Product Weight	230 g[8.1 oz]

Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	Silver Alloy

Termination Features

Main Termination & Connection Type	Screw Terminals
Coil Termination & Connection Type	Wire Connector

Mechanical Attachment

Product Mounting Feature Type	Mounting Brackets
Product Mount Type	Bus Bar Mount

Dimensions

Product Width	35.35 mm
Product Length	72 mm[2.834 in]
Product Height	42.5 mm[1.673 in]

Usage Conditions

Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	110 °C[230 °F]

Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Other

Contact Current Class	>50 – ≤200 A
Coil Power Rating Class	>3 – ≤10 W
Height Class (Mechanical)	>33 – ≤45 mm[>1.299 – ≤1.772 in]
Length Class (Mechanical)	>70 mm[>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 with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 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) SVHC > Threshold: Pb (92.5% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

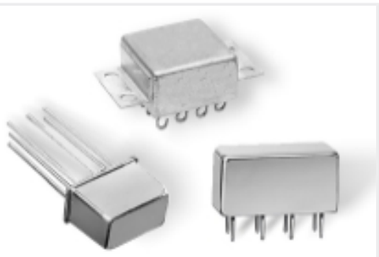


TE Part # 2-1670916-1
2POS, MCON 1.2 LL REC SEALED

Also in the Series | High Current Relay HCR 200



Automotive Relays(2)



DC Relays(2)

Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #DRC12-40PA
REC, 40P, BLK, N, FLANGE, A



TE Part #HD30-24BT-90-BK
BOOT, 24SZ, RA, BLK



TE Part #1-968859-1
AMP MCP 2.8, CONTACT SWS



TE Part #2-1670916-1
2POS, MCON 1.2 LL REC SEALED

Documents

Product Drawings

V23230D2001B200-EV-CBOX

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1414995-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1414995-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1414995-0_A.3d_stp.zip

English

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Datasheets & Catalog Pages

Automotive Relay Application Notes

English

High Current Relay 200, High Current Devices, High Current Solutions

English

Product Specifications

Definitions General Purpose Relays

English