1-1414476-0 ✔ ACTIVE

High Current Relay HCR 150

TE Internal #: 1-1414476-0

High Current Relay, DC, Monostable, 1 Form A (NO), 130 A Contact Rating, 12 VDC Coil Voltage, 12 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 A (NO)**

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 A (NO)

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 @ 5V
Coil Resistance	37 Ω
Contact Current Rating	130 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC

Coil Power Rating DC	3.9 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Body Features

Product Weight	220 g[7.76 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

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	40 mm[1.575 in]
Product Length	74.2 mm[2.921 in]
Product Height	45 mm[1.772 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Environmental Category of Protection	RTIII
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)	>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
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 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 # 282110-1
MINI MIC RCPT CONTACT



TE Part # 1393315-2
V23132A2001A200-EV-CBOX

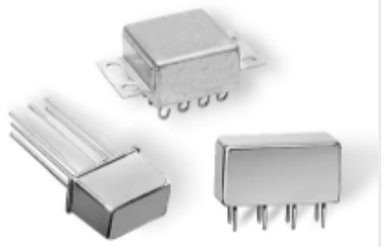


TE Part # 282080-1
AMP SUPERSEAL 1.5 SERIES 2P PL



TE Part # 1416010-1
V23132A2001B200-EV-CBOX

Also in the Series | High Current Relay HCR 150



DC Relays(6)



Electromechanical Relays(6)

Customers Also Bought



TE Part #HDP24-24-21SE-L015
REC, 21P, BLK, E, THD, 12/16, S



TE Part #K1127684
Relay 29-112-12



TE Part #CAT-T4827-CH8172
Timer Connector Housing



TE Part #965687-1
FIXING RING



TE Part #1-1414632-0
V23132B2002X025-EV-CBOX

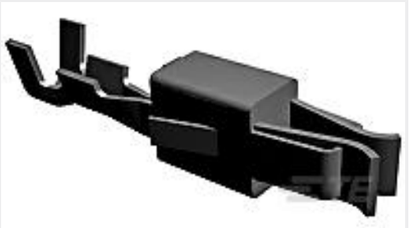


TE Part #1418882-1
COVER FOR 62POS.REC.HSG



TE Part #2405341-1
BLIND PLUG BLOCK ASSAMBLY, FINGER UNLOCK.

TE Part #1718968-1
ROUND NUT M28x1.5



TE Part #927781-3
JPT REC 2.8 Contact SRC Sn (LP)

Documents

Product Drawings

V23132A2001X023-EV-CBOX

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1414476-0_A.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1414476-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1414476-0_A.3d_igs.zip

English

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Datasheets & Catalog Pages

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

English