



TE Internal #: 5-1414968-1
Automotive High Current Relays, 24 VDC Coil Voltage, >50A, 1
Form X (NO, Bridging), Resistor in Parallel, Monostable, DC, 141 Ω
Coil Resistance
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Relays, Contactors & Switches > Relays > Automotive Relays > Automotive High Current Relays



Rated Coil Voltage: **24 VDC**
High Current Automotive Relay Contact Current Class: **>50A**
High Current Automotive Relay Contact Arrangement: **1 Form X (NO, Bridging)**
Coil Suppression: **Resistor in Parallel**
High Current Automotive Relay Coil Magnetic System: **Monostable, DC**

Features

Product Type Features

Product Designation	High Current Automotive Relays
Product Category	Electromechanical Relays
Relay Type	High Current Relay HCR 150
Product Classification	Relays - Automotive High Current Relays
Product Type	Relay

Electrical Characteristics

Current Rating (85°C)	130 A
Insulation Initial Dielectric Between Contacts and Coil	1000 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	500 – 1000 V
Coil Power Rating (DC)	4100 mW
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	300 A
Contact Limiting Continuous Current	180 A
Rated Voltage	24 VDC
Contact Limiting Breaking Current	300 A



Contact Switching Load (Min)	1000mA @ 5VDC
Rated Coil Voltage	24 VDC
Coil Suppression	Resistor in Parallel
High Current Automotive Relay Coil Magnetic System	Monostable, DC
High Current Automotive Relay Coil Resistance	141 Ω

Body Features

Weight	220 g[7.76 oz]
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Contact Features

Terminal Type	Screw Terminals
Contact Base Material	Silver Alloy
High Current Automotive Relay Contact Current Class	>50A
High Current Automotive Relay Contact Arrangement	1 Form X (NO, Bridging)

Mechanical Attachment

Mounting Type	Screw
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Dimensions

Width Class (Mechanical)	30 – 40 mm
Height	40 mm[1.575 in]
Length Class (Mechanical)	>60mm
Length	63 mm[2.48 in]
Height Class (Mechanical)	40 – 50 mm
Width	45 mm[1.772 in]

Usage Conditions

Environmental Ambient Temperature (Max)	125 °C[257 °F]
Environmental Ambient Temperature Class	105 – 125°C

Other

Mounting Brackets	With
High Power Relays (>75A)	Yes

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 282080-1
AMP SUPERSEAL 1.5 SERIES 2P PL

TE Part # 58583-1
PROCRIMP HT&D SUPRSEAL 1.5 SER


TE Part # 281934-2
SINGLE WIRE SEAL

TE Part # 282110-1
MINI MIC RCPT CONTACT


TE Part # 2151205-2
OCEAN-2.0-APPLICATOR-S-090F145O

Customers Also Bought






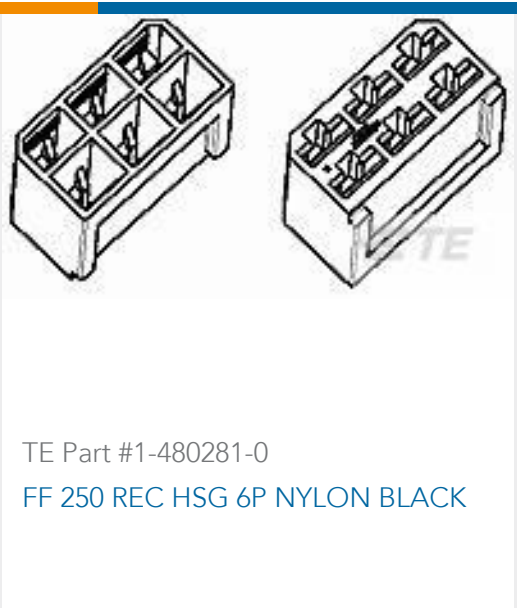
TE Part #HDP26-24-23PE-L015
DEUTSCH HDP20 Housings




TE Part #776430-3
AS 16, 3P CAP ASSY, KEY 3




TE Part #M902-2164
BKSHL, 6SZ, CBL SZ .570-.710, HD10




TE Part #1-480281-0
FF 250 REC HSG 6P NYLON BLACK



TE Part #HD36-24-23ST
PLG, 23P, AL, T, 16, S



TE Part #DRC26-50S03
PLG, 50P, BLK, N, 03



TE Part #DT13-12PB
HDR, 12P, BLK, RA, NI/CU, B

TE Part #D30943-000
PM07507-LOOSE-BLANKS

TE Part #2-1393310-0
26A1348C=TERMINAL,CRMP,QC.250,

Documents

Product Drawings
V23132B2002B200-EV-USBX
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_5-1414968-1_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_5-1414968-1_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_5-1414968-1_A.3d_stp.zip
English

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Datasheets & Catalog Pages

5-1414968-1

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

English