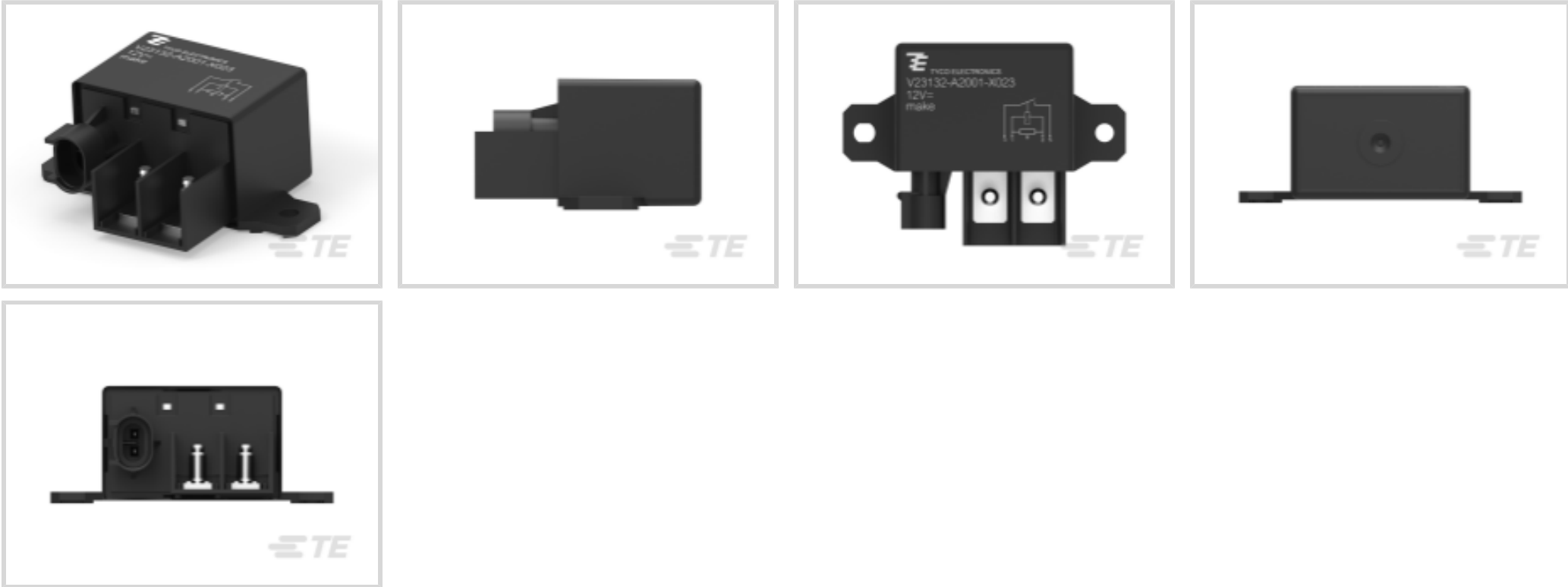




TE Internal #: 1-1414476-0  
12VDC Coil Voltage Rating, >50A Contact Current Class, Contact Arrangement 1 Form A (NO), Resistor in Parallel, Automotive High Current Relays

[View on TE.com >](#)

Relays & Contactors > Relays > Automotive Relays > Automotive High Current Relays



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

Features

Configuration Features

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

Electrical Characteristics

Contact Limiting Continuous Current	180 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	300 A
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Contact Current Rating	130 A
Contact Limiting Breaking Current	300 A
Coil Power Rating DC	3.9 W
Contact Switching Load (Min)	1000mA @ 5V
Coil Voltage Rating	12 VDC
Coil Resistance	37 Ω

Body Features

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

Usage Conditions

Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	125 °C[257 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

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: JUNE 2024 (241)



Candidate List Declared Against: JUNE 2024 (241)  
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 # 282110-1  
MINI MIC RCPT CONTACT



TE Part # 1416010-1  
V23132A2001B200



TE Part # 1393315-2  
V23132A2001A200=HCR

Customers Also Bought



TE Part #965687-1  
FIXING RING



TE Part #969207-2  
FLA-STE-KONT2,8X0,8

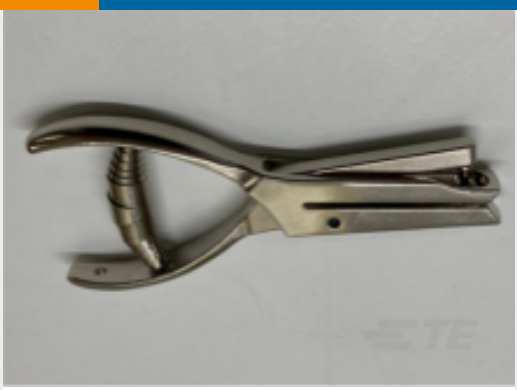



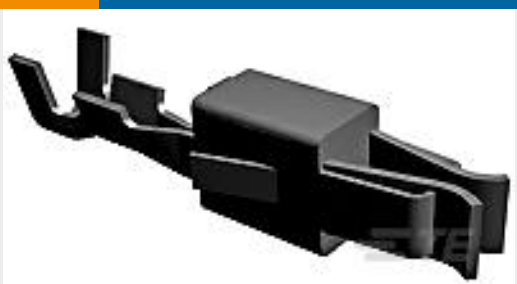



TE Part #569741-000  
000W280-TAPE



TE Part #1-1414632-0  
V23132B2002X025



 <div>TE Part #3-1768035-1 LZ-50</div>	 <div>TE Part #1564953-1 LEADFRAME,MOLDED,TCS2 BASIC, ASSY</div>	 <div>TE Part #1564953-3 LEADFRAME,MOLDED,TCS2,ASSY, PREMIUM</div>	 <div>TE Part #1718968-1 ROUND NUT M28x1.5</div>
 <div>TE Part #927781-3 JPT REC 2.8 Contact SRC Sn (LP)</div>	 <div>TE Part #2-1904025-3 V23234A0004X051-EV-100</div>		

Documents

Product Drawings

V23132A2001X023

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

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

Datasheets & Catalog Pages

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

English