



### Mini K HV Precharge Relay

TE Internal #: 2-1904058-7

Automotive High Voltage Relays, 12 VDC Coil Voltage, With Parallel Resistor, Plug-In, Quick Connect, 400 VDC Rated Voltage, Mini K HV Precharge Relay

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Relays, Contactors & Switches > Relays > Automotive Relays > Automotive High Voltage Relays



Rated Coil Voltage: **12 VDC**

High Voltage Automotive Relay Contact Current Class: **<20 A**

Coil Suppress: **With Parallel Resistor**

High Voltage Automotive Relay Terminal Type: **Plug-In, Quick Connect**

Rated Voltage: **400 VDC**

## Features

### Product Type Features

Relay Type	Mini K HV Precharge Relay
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### Electrical Characteristics

Contact Limiting Making Current	20 A
Insulation Initial Dielectric Between Contacts and Coil	2000 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	>1000V
Rated Coil Voltage	12 VDC
Coil Suppress	With Parallel Resistor
Rated Voltage	400 VDC
Contact Limiting Breaking Current	20 A
Coil Resistance	41.6 $\Omega$
Insulation Initial Dielectric Between Open Contacts	2000 Vrms
Contact Switching Voltage (Max)	450 VDC
Coil Magnetic System	Monostable - DC
Coil Power Rating (DC)	3500 mW

### Body Features

Weight	39 g[1.376 oz]
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### Contact Features



Contact Base Material	Silver Alloy
High Voltage Automotive Relay Contact Current Class	<20 A
High Voltage Automotive Relay Terminal Type	Plug-In, Quick Connect
High Voltage Automotive Relay Contact Arrangement	1 Form X (NO - DM)

### Mechanical Attachment

Mounting Type	Plug-In
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### Dimensions

Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	30 – 40 mm
Height	29.9 mm[1.177 in]
Height Class (Mechanical)	25 – 30 mm
Length	29.9 mm[1.177 in]
Width	36.6 mm[1.441 in]

### Usage Conditions

Environmental Ambient Temperature Class	-40 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]

### Other

Mounting Brackets	Without
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### 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 2022 (224) Does not contain REACH SVHC
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>

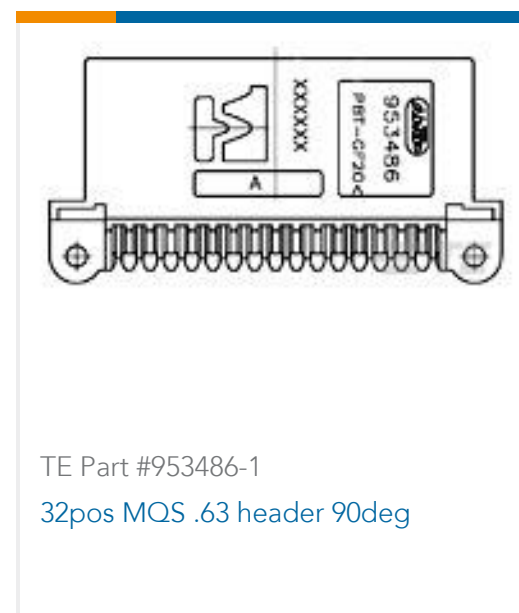
## Compatible Parts

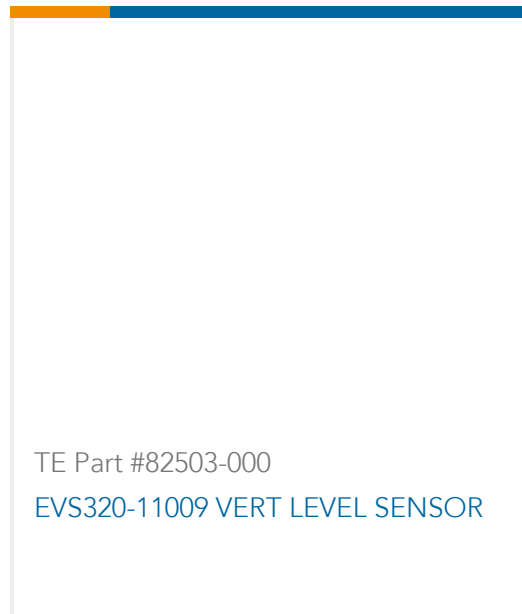
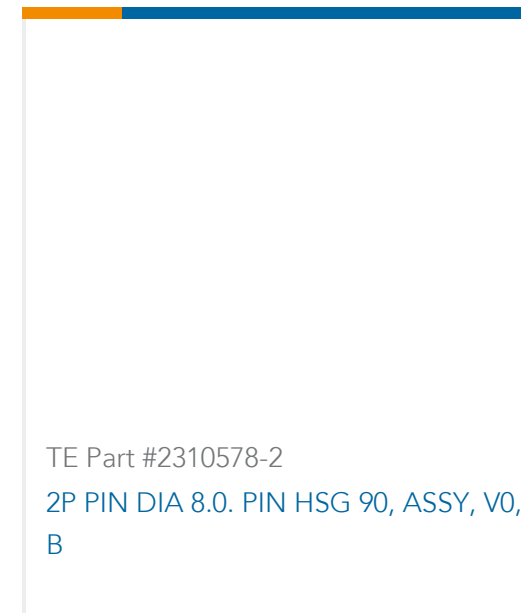
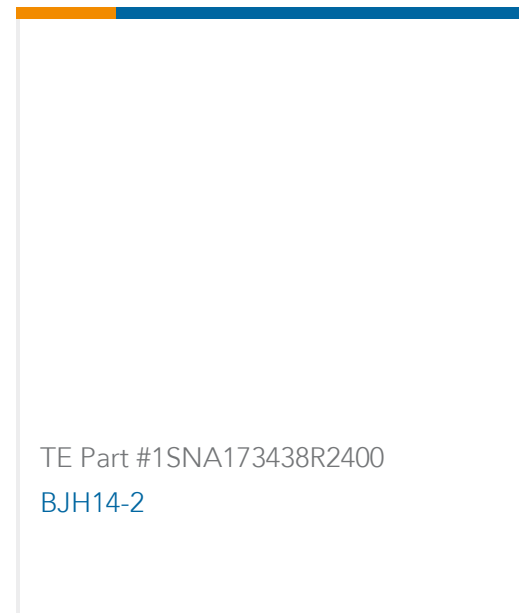


## Also in the Series | Mini K HV Precharge Relay



## Customers Also Bought





## Documents

### Product Drawings

V23700F0002A408-EV-CBOX

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1904058-7\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1904058-7\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1904058-7\_A.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

High Voltage Relays & Contactors, High Voltage Relay, Mini K HV Precharge Relay

English

### Product Specifications

Definitions General Purpose Relays

English

