

2-1904058-5 ✓ ACTIVE

Mini K HV Precharge Relay

TE Internal #: 2-1904058-5

High Voltage Relay, DC, Monostable, 1 Form X SPST-NO-DM, 12 VDC Coil Voltage, 400 VDC Contact Voltage, 2.9 W Coil Power, Mini K HV Precharge Relay

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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **High Voltage Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form X SPST-NO-DM**

Coil Voltage Rating: **12 VDC**

Features

Contact Features

Contact Material	Silver Alloy
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Dimensions

Product Width	20.7 mm[.815 in]
Product Length	25.55 mm[1.006 in]
Product Height	19.3 mm[.76 in]

Other

Contact Current Class	<20 A
Environmental Ambient Temperature Class	-40 – 85 °C
Height Class (Mechanical)	16 – 20 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	20 – 25 mm
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Usage Conditions

Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Body Features

Product Weight	17 g[.6 oz]
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Enclosure Type

Flux Resistant Automatic Soldering & Washable

Electrical Characteristics

Contact Limiting Making Current	20 A
Coil Resistance	50 Ω
Contact Limiting Breaking Current	20 A
Insulation Initial Dielectric Between Open Contacts	2000 Vrms
Contact Switching Voltage (Max)	450 VDC
Coil Voltage Rating	12 VDC
Contact Voltage Rating	400 VDC
Coil Power Rating DC	2.9 W
Insulation Initial Dielectric Between Contacts & Coil	2000 Vrms

Configuration Features

Coil Special Features	Without Resistor in Parallel
Contact Arrangement	1 Form X SPST-NO-DM

Operation/Application

Solder Process	Wave Solder
Current Type	DC
Coil Magnetic System	Monostable

Product Type Features

Relay & Contactor Type	High Voltage Relay
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Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2023 (235)

Does not contain REACH SVHC

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Solder Process Capability

Wave solder capable to 265°C

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

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-1904058-5_A_c-2-1904058-5-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1904058-5_A_c-2-1904058-5-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1904058-5_A_c-2-1904058-5-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