

4-1904124-3 ✓ ACTIVE



Micro Relay A

TE Internal #: 4-1904124-3

Micro Relays, 12VDC Coil Voltage Rating, 20 – 30A Contact Current Class, Contact Arrangement 1 Form C (CO), 119Ω Coil Resistance, Micro Relay A

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Relays & Contactors > Relays > Automotive Relays > Automotive Plug-In Relays > Micro Relays



Coil Voltage Rating: 12 VDC

Contact Current Class: 20 – 30 A

Contact Arrangement: 1 Form C (CO)

Coil Resistance: 119 Ω

Features

Configuration Features

Contact Arrangement	1 Form C (CO)
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Electrical Characteristics

Current Rating (85°C)	30 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	120 A
Contact Limiting Short-Time Current	150 A
Contact Limiting Continuous Current	30 A
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Contact Limiting Breaking Current	30 A
Contact Voltage Rating	12 VDC
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Power Rating DC	1200 mW
Coil Voltage Rating	12 VDC
Coil Resistance	119 Ω

Body Features

Product Weight	16 g [.565 oz]
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Contact Features

Contact Material	Silver Alloy
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Termination Features

Relay Connection Type	Plug-In
Terminal Configuration	Quick Connect Terminals

Mechanical Attachment

Product Mount Type	Socket
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Dimensions

Product Width	15.5 mm[.61 in]
Product Length	23 mm[.906 in]
Product Height	25.4 mm[1 in]

Usage Conditions

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

Operation/Application

Actuating System	DC
Coil Magnetic System	Monostable

Other

Length Class (Mechanical)	20 – 25 mm
Insulation Initial Dielectric Between Coil & Contact Class	0 – 500 V
Environmental Ambient Temperature Class	105 – 125 °C
Height Class (Mechanical)	25 – 30 mm
Coil Power Rating Class	1000 – 1500 mW
Width Class (Mechanical)	12 – 16 mm
Contact Current Class	20 – 30 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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC



Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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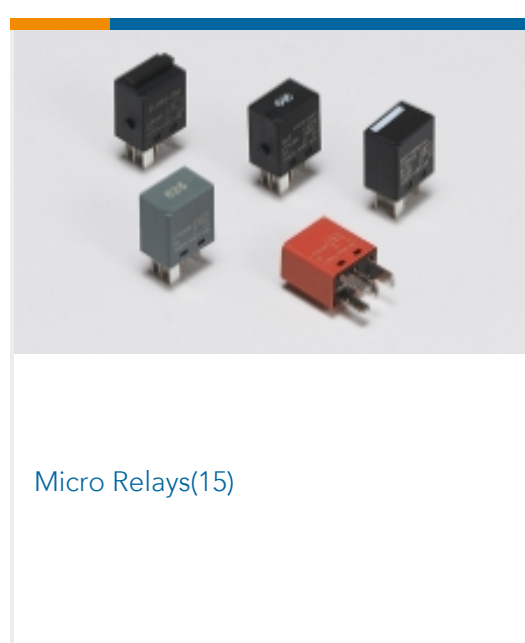
Product Compliance Disclaimer

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 | Micro Relay A



Customers Also Bought



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_4-1904124-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1904124-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1904124-3_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

[Micro Relay A, Micro ISO, Plug-in](#)

English



Product Specifications

Definitions General Purpose Relays

English