



Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **Reed Relay**
 Coil Magnetic System: **Monostable**
 Contact Arrangement: **1 Form C SPDT-CO**
 Current Type: **DC**
 Contact Current Rating: **1.2 A**

Features

Product Type Features

Relay & Contactor Type	Reed Relay
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Configuration Features

Relay Options	Power Switching, RF Rated
Contact Number of Poles	1
Coil Special Features	Diode
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	.4 A
Contact Limiting Making Current	.4 A
Contact Limiting Continuous Current	1.2 A
Contact Limiting Breaking Current	.4 A
Insulation Initial Dielectric Between Open Contacts	200 Vrms
Contact Switching Voltage (Max)	175 VDC
Contact Switching Load (Min)	10mA @ .01V
Coil Resistance	200 Ω

Insulation Initial Resistance	1000000 MΩ
Contact Current Rating	1.2 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	24 VDC
Coil Power Rating DC	.125 W
Insulation Initial Dielectric Between Contacts & Coil	1500 Vrms

Signal Characteristics

Insertion Loss (HF Parameter)	-.02dB @ 100MHz, -.27dB @ 900MHz
Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz

Body Features

Product Weight	1.8 g[.0635 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	Ruthenium
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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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Dimensions

Product Width	7 mm[.276 in]
Product Length	19.3 mm[.759 in]
Product Height	7.5 mm[.295 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Box & Tube, Tube
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Other

Coil Power Rating Class	≤.15 W
Contact Current Class	≤2 A
Height Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]
Length Class (Mechanical)	>16 – ≤22 mm[>.63 – ≤.866 in]
Width Class (Mechanical)	≤7 mm[≤.276 in]

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



Customers Also Bought



Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_2-1393763-3_B.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_2-1393763-3_B.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_2-1393763-3_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Reed Relay V23100-V4](#)

English

Product Specifications

[Product Specification](#)

English