JWS-117-3

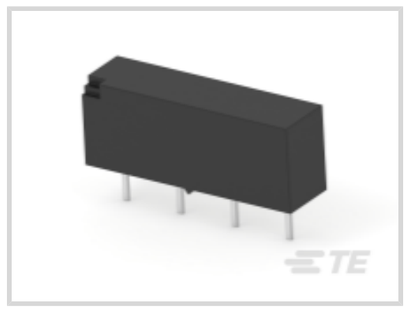
Potter & Brumfield

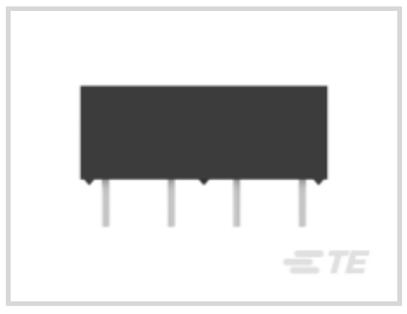
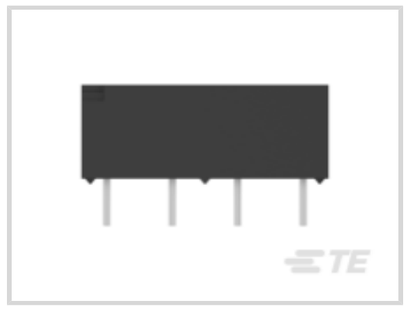
TE Internal #: 3-1393771-4

TE Internal Description: JWS-117-3=REED RELAYS

View on TE.com >

Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **Reed Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **.5 A**

Features

Product Type Features

Relay & Contactor Type	Reed Relay

Configuration Features

Relay Options	Power Switching, RF Rated
Contact Number of Poles	1
Coil Special Features	UL Coil Insulation
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	.5 A
Contact Limiting Making Current	.5 A
Contact Limiting Continuous Current	.5 A
Contact Limiting Breaking Current	.5 A
Insulation Initial Dielectric Between Open Contacts	250 Vrms
Contact Switching Voltage (Max)	100 VDC
Contact Switching Load (Min)	10mA @ .01V
Coil Resistance	530 Ω

Insulation Initial Resistance	1000 MΩ
Contact Current Rating	.5 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	20 VDC
Coil Power Rating DC	.272 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Signal Characteristics

Insertion Loss (HF Parameter)	-.12dB @ 100MHz, -1.9dB @ 900MHz
Isolation (HF Parameter)	-18dB @ 900MHz, -30dB @ 100MHz

Body Features

Product Weight	2.3 g[.0811 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	Ruthenium

Termination Features

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

Mechanical Attachment

Product Mount Type	Board Mount

Dimensions

Product Width	6.6 mm[.26 in]
Product Length	20.32 mm[.8 in]
Product Height	7.8 mm[.307 in]

Usage Conditions

Operating Temperature Range	-35 – 85 °C[-31 – 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 & Tray, Tray

Other

Coil Power Rating Class	>.2 – ≤.3 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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUL 2021 (219) 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 260°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

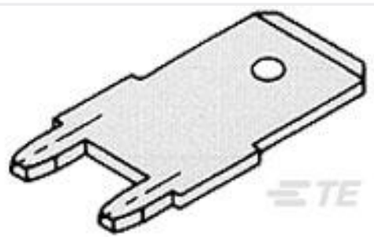
Customers Also Bought



TE Part #ER0793-000
ES-CAP-NO.0-O9-0-40MM



TE Part #34115
SOLIS R 22-16COMM 22-18MIL 3/8



TE Part #62409-1
250 FASTON TAB TPBR



TE Part #640445-6
06P MTA156 HDR ASSY FL/STR SN



TE Part #641119-4
04P MTA156 HDR ASSY FL/ST 15AU



TE Part #3-643819-6
06P MTA156 CONN ASSY 22AWG RED



TE Part #3-643819-8
08P MTA156 CONN ASSY 22AWG RED



TE Part #1-1393127-6
PRD-11AH0-120=PRD



TE Part #1-1879453-8
TE 1000W 27R 5% Bracket



TE Part #3-1393771-1
JWD-172-8=REED RELAYS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1393771-4_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1393771-4_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1393771-4_99.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

JWD/JWS Dual In-Line Package & Single In-Line Package Dry Reed Relays

English

Product Specifications

Definitions General Purpose Relays

English