



Relays, Contactors & Switches > Relays > Signal Relays



Contact Voltage Rating: **20 VDC**

Signal Relay Coil Power Rating (DC): **69 mW**

Isolation (HF Parameter): **-18dB @ 900MHz, -30dB @ 100MHz**

Insertion Loss (HF Parameter): **-.12dB @ 100MHz, -1.9dB @ 900MHz**

Signal Relay Mounting Type: **Printed Circuit Board**

## Features

### Product Type Features

Relay Type	JWD/JWS Series Reed Relay
Relay Style	JWD/JWS Series Reed Relays
Product Type	Relay

### Electrical Characteristics

Coil Power Rating Class	0 – 100 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	250 Vrms
Contact Limiting Short-Time Current	.5 A
Insulation Initial Dielectric Between Contacts and Coil	500 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	0 – 500 V
Power Consumption	50 – 288 mW
Insulation Initial Resistance	1000 MΩ
Contact Limiting Making Current	.5 A
Coil Resistance	500 Ω



Contact Limiting Continuous Current	.5 A
Coil Type	Monostable
Contact Limiting Breaking Current	.5 A
Contact Switching Load (Min)	10mA @ .01V
Coil Special Features	UL Coil Insulation
Contact Voltage Rating	20 VDC
Signal Relay Coil Power Rating (DC)	69 mW
Signal Relay Coil Voltage Rating	12 VAC
Signal Relay Contact Switching Voltage (Max)	100 VDC
Signal Relay Coil Magnetic System	Monostable, DC

### Signal Characteristics

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

### Body Features

Weight	2.3 g[.0811 oz]
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### Contact Features

Contact Plating Material	Ruthenium
Contact Current Class	0 – 2 A
Contact Special Features	Reed Contacts
Signal Relay Terminal Type	PCB-THT
Signal Relay Contact Current Rating	1.25 A
Signal Relay Contact Arrangement	1 Form C (CO)
Contact Material	Nickel-Titanium
Contact Number of Poles	1

### Termination Features

Termination Type	Through Hole
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### Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
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### Dimensions

Width Class (Mechanical)	6 – 8 mm
Width	6.6 mm[.26 in]
Height	7.8 mm[.307 in]



Length Class (Mechanical)	20 – 25 mm
Length	20.3 mm[.799 in]
Height Class (Mechanical)	7 – 8 mm

**Usage Conditions**

Environmental Ambient Temperature (Max)	85 °C[85 °F]
Environmental Ambient Temperature Class	70 – 85°C
Operating Temperature Range	-35 – 85 °C

**Operation/Application**

Performance Type	Standard
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**Packaging Features**

Packaging Method	Box & Tray, Tray
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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 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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>



## Compatible Parts



TE Part # 3-1393771-8  
JWS-117-6=RELAY PER PRINT -DSS

## Also in the Series | Potter & Brumfield JWD Series



Signal Relays(33)

## Customers Also Bought



TE Part #5745781-4  
09 MSFL RCPT RA 318 (IN,FM)



TE Part #1415015-1  
Force Guided Relay with 6 contacts



TE Part #60617-5  
CMNL SOK AUBR L/P



TE Part #7-1393215-5  
V23057-B0006-A101



TE Part #2295018-2  
SPLASH PROOF USB TYPE C REC,  
DUAL SMT



TE Part #1981568-1  
MICRO USB, TYPE B,



TE Part #1546306-4  
4P .374" DR BARRIER STRIP



TE Part #1546306-6  
6P .374" DR BARRIER STRIP



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_3-1393771-2\\_99.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_3-1393771-2\\_99.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_3-1393771-2\\_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