# JWD-171-28 - ACTIVE

### Potter & Brumfield | Potter & Brumfield JWD Series

TE Internal #: 1-1393771-9

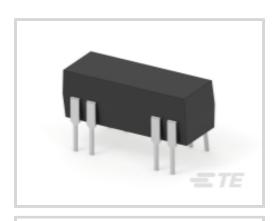
Reed Relay, DC, Monostable, 2 Form A DPST-NO, .5 A Contact Rating, 24 VDC Coil Voltage, 20 VDC Contact Voltage, Potter &

Brumfield JWD Series

View on TE.com >

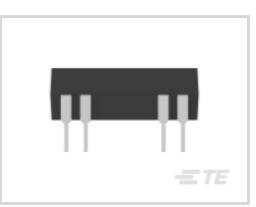


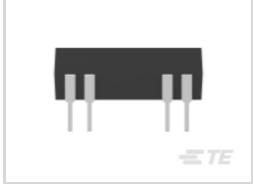
Relays & Contactors > Electromechanical Relays











Relay & Contactor Type: Reed Relay

Current Type: DC

Coil Magnetic System: Monostable

Contact Arrangement: 2 Form A DPST-NO

Contact Current Rating: .5 A

### **Features**

### **Product Type Features**

Relay & Contactor Type	Reed Relay
Configuration Features	
Relay Options	Power Switching
Contact Number of Poles	2
Coil Special Features	Coil Suppression Diode, UL Coil Insulation
Contact Arrangement	2 Form A DPST-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
Insulation Initial Dielectric Between Adjacent Contacts	500 Vrms
Contact Switching Voltage (Max)	100 VDC



Contact Switching Load (Min)	10mA @ .01V
Coil Resistance	2200 Ω
Contact Current Rating	.5 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	20 VDC
Coil Power Rating DC	.262 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
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
Product Mount Type  Dimensions	Board Mount
	Board Mount  7.62 mm[.3 in]
Dimensions	
Dimensions  Product Width	7.62 mm[.3 in]
Dimensions  Product Width  Product Length	7.62 mm[.3 in] 19.56 mm[.77 in]
Dimensions  Product Width  Product Length  Product Height	7.62 mm[.3 in] 19.56 mm[.77 in]
Dimensions  Product Width  Product Length  Product Height  Usage Conditions	7.62 mm[.3 in] 19.56 mm[.77 in] 8 mm[.314 in]
Dimensions  Product Width  Product Length  Product Height  Usage Conditions  Operating Temperature Range	7.62 mm[.3 in] 19.56 mm[.77 in] 8 mm[.314 in] -35 – 85 °C
Dimensions  Product Width  Product Length  Product Height  Usage Conditions  Operating Temperature Range  Environmental Category of Protection	7.62 mm[.3 in] 19.56 mm[.77 in] 8 mm[.314 in]  -35 – 85 °C  RTIII
Dimensions  Product Width  Product Length  Product Height  Usage Conditions  Operating Temperature Range  Environmental Category of Protection  Environmental Ambient Temperature (Max)	7.62 mm[.3 in] 19.56 mm[.77 in] 8 mm[.314 in]  -35 – 85 °C  RTIII
Dimensions  Product Width  Product Length  Product Height  Usage Conditions  Operating Temperature Range  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Operation/Application	7.62 mm[.3 in]  19.56 mm[.77 in]  8 mm[.314 in]  -35 – 85 °C  RTIII  85 °C[85 °F]
Dimensions  Product Width  Product Length  Product Height  Usage Conditions  Operating Temperature Range  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Operation/Application  Solder Process	7.62 mm[.3 in]  19.56 mm[.77 in]  8 mm[.314 in]  -35 – 85 °C  RTIII  85 °C[85 °F]  Wave Solder Capable
Dimensions  Product Width  Product Length  Product Height  Usage Conditions  Operating Temperature Range  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Operation/Application  Solder Process  Current Type	7.62 mm[.3 in]  19.56 mm[.77 in]  8 mm[.314 in]  -35 – 85 °C  RTIII  85 °C[85 °F]  Wave Solder Capable  DC



#### Other

Coil Power Rating Class	.2 – .3 W
Contact Current Class	0 - 2 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	7 – 8 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	6 – 8 mm

### **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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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**





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







## Customers Also Bought







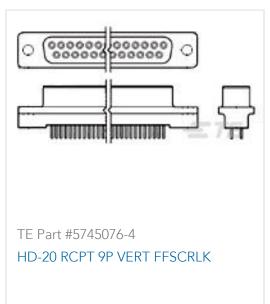
















### **Documents**

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393771-9\_99.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393771-9\_99.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393771-9\_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