

JWD-171-25=REED RELAYS

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield JWD Series

TE Part # 1-1393771-7

TE Internal #: JWD-171-25

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Signal Relays



Contact Voltage Rating: **20 VDC**
Contact Switching Voltage (Max): **100 VDC**
Coil Magnetic System: **Monostable, DC**
Contact Number of Poles: **2**

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	100 – 150 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
Insulation Initial Dielectric Between Adjacent Contacts	500 Vrms
Power Consumption	50 – 288 mW
Contact Limiting Making Current	.5 A
Coil Resistance	200 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	Coil Suppression Diode, UL Coil Insulation
Contact Voltage Rating	20 VDC
Contact Switching Voltage (Max)	100 VDC



Coil Magnetic System	Monostable, DC
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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
Contact Number of Poles	2

Termination Features

Termination Type	Through Hole
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Dimensions

Width Class (Mechanical)	6 – 8 mm
Width	7.62 mm[.3 in]
Height	8 mm[.315 in]
Length Class (Mechanical)	16 – 20 mm
Length	19.56 mm[.77 in]
Height Class (Mechanical)	7 – 8 mm

Usage Conditions

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

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 with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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 2019 (197)



Candidate List Declared Against: JAN 2018
(181)

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | [Potter & Brumfield JWD Series](#)

Signal Relays(33)

Customers Also Bought

TE Part #1-207120-1 METRIMATE PIN HDR ASY, 12P LF	TE Part #5102321-6 A/L UNIV HDR 26P VERT LG LAT	TE Part #1-5102160-0 A/L UNIV HDR 50P RA	TE Part #1437536-3 516-AG10D-ES=SOCKET ASSY.

JWD-171-25=REED RELAYS

TE Part # 1-1393771-7
TE Internal #: JWD-171-25



TE Part #750678-1
09 RCPT SP/FMS (RET SL)

TE Part #5-102618-6
16 MODII HDR DRST
SHRD .100CL

TE Part #1393771-5
JWD-107-5=REED RELAYS

TE Part #2-1393771-9
JWD-172-5=REED RELAYS

TE Part #103908-2
03 MTE HDR SRST LATCH
W/HLDWN

TE Part #1-1393771-8
JWD-171-27=REED
RELAYS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1393771-7_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1393771-7_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1393771-7_99.3d_stp.zip

English

Datasheets & Catalog Pages

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

English

Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions Relays

English

Product Environmental Compliance



TE Material Declaration

English