

ORD325 Reed Series Reed Switch



The ORD325 is a small single-contact reed switch designed for general control of medium level loads less than 200V. The contacts are sealed within the glass tube with inert gas to maintain contact reliability.

Key Features:

- ✓ Hermetically sealed within a glass tube with inert gas, reed contacts are not influenced by the external atmospheric environment.
- ✓ Quick response
- ✓ Comprising of operating parts and electrical parts arranged coaxially, reed switches are suited to high-frequency applications.
- ✓ Compact and light weight.
- ✓ Superior corrosion resistance and wear resistance of the contacts assures stable switching operation and long life.
- ✓ Economically and easily becomes a proximity switch when paired with a magnet.

Key Markets/Applications:

- ✓ Automotive electronic devices
- ✓ Control equipment
- ✓ Communication equipment
- ✓ Measurement equipment
- ✓ Household appliances



Electrical Specifications:

Electrical Characteristics	Rated Value	Unit
Pull-in Value (PI)	10 to 50	AT
Drop-out Value (DO) (min.)	4	AT
Contact Resistance (CR) (max.)	100	mOhm
Breakdown Voltage (min.)	300/250 (PI ≥ 15/<15)	VDC
Insulation Resistance (typ.)	10 ¹⁰	Ohm
Electrostatic Capacitance (max.)	0.3	pF
Contact Rating	10	W
Switching Voltage (max.)	200DC, 150AC	V
Switching Current (max.)	0.5	A
Carry Current (max.)	1.0	A
Operating Characteristics	Rated Value	Unit
Operate Time (max.)	0.4	ms
Bounce Time (max.)	0.4	ms
Release Time (max.)	0.05	ms
Resonant Frequency	3700 ± 300	Hz
Operating Frequency (max.)	500	Hz

Customer Options:



Part Description:

ORD325 (X X X X)

SERIES

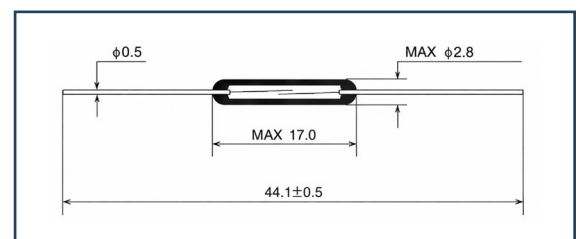
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CUSTOMER OPTIONS

1. PULL-IN EXCITATION (AT RANGE) = 10-50

Dimensions (mm):

Tolerances acc. to DIN ISO 2768-m



Contact Form Glossary :

Form A

NO = Normally Open Contacts
SPST = Single Pole Single Throw



Form B

NC = Normally Closed Contacts
SPST = Single Pole Single Throw



Form C

Changeover
SPDT = Single Pole Double Throw

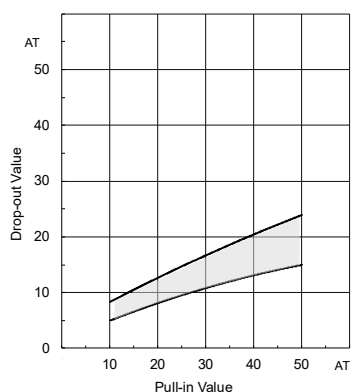


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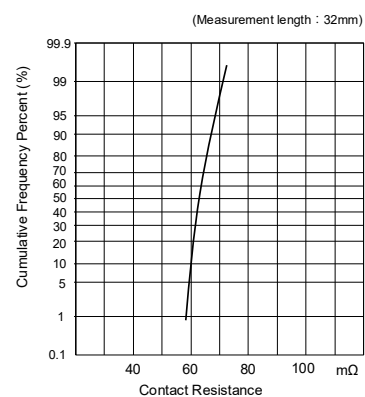
DATA SHEET

Electrical Characteristics :

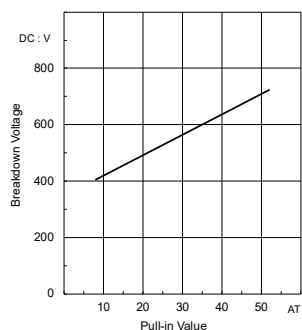
Pull-in Value vs. Drop-out Value



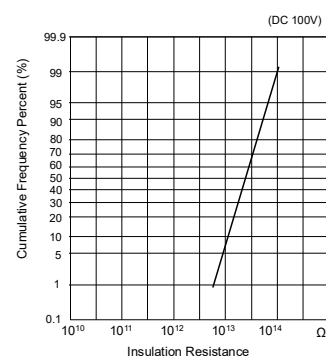
Contact Resistance



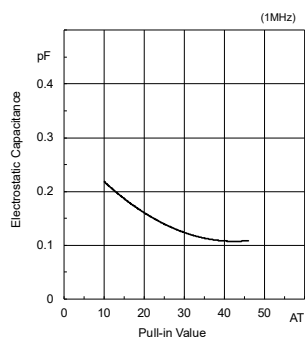
Breakdown Voltage



Insulation Resistance



Electrostatic Capacitance

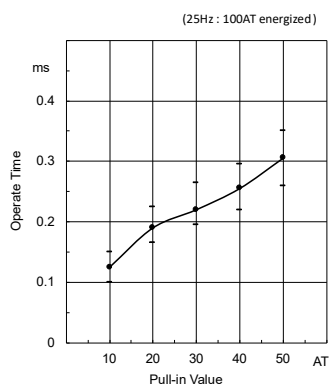


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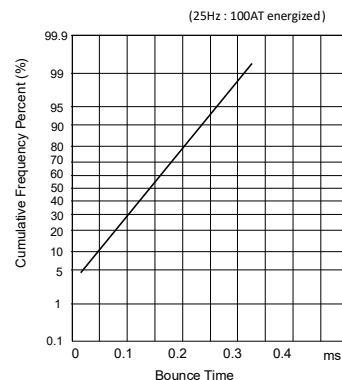
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Operating Characteristics :

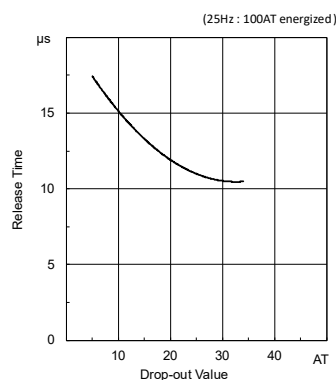
Operating Time



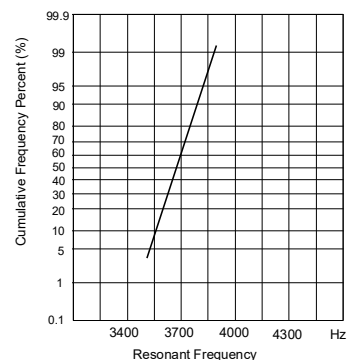
Bounce Time



Release Time



Resonant Frequency

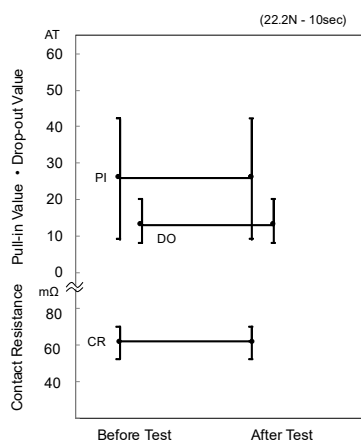


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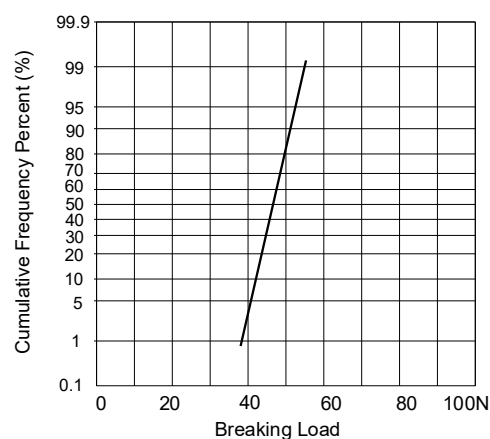
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Mechanical Characteristics :

Lead Tensile Test (Static Load)



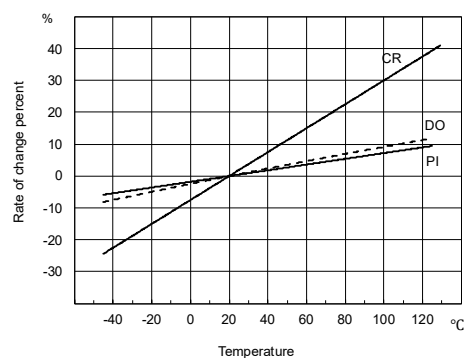
Lead Tensile Strength



Environmental Characteristics:

Environmental Data	Rated Value	Unit
Shock Resistance ½ sine wave duration 11ms	294 (30G)	m/s ²
Vibration Resistance (10~2000Hz)	196 (20G)	m/s ²
Operating Temperature	-40 to +125	°C
Lead Tensile Strength	14.7 (1.5kgf)	N

Temperature Characteristics

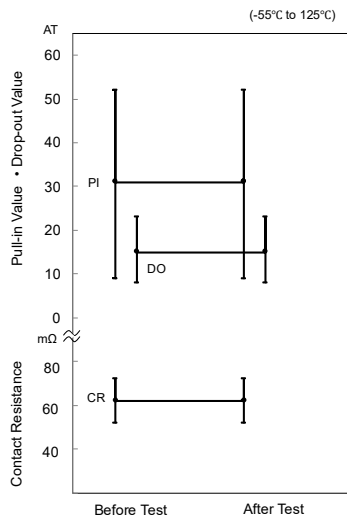


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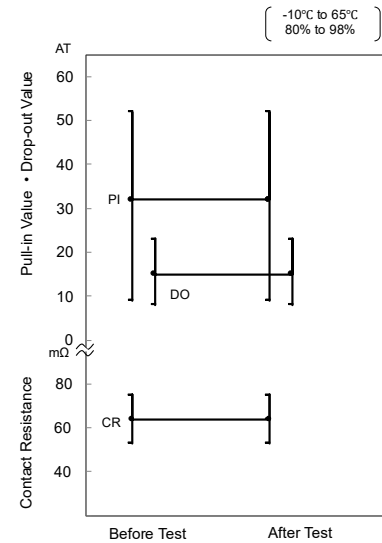
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Environmental Characteristics:

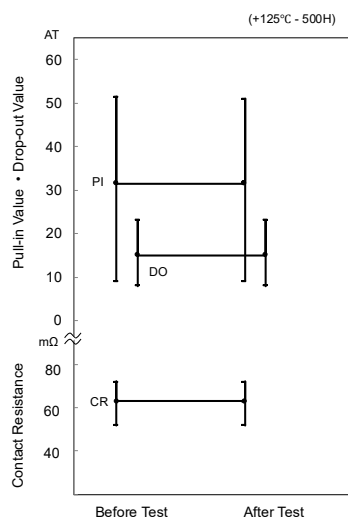
Temperature Cycle



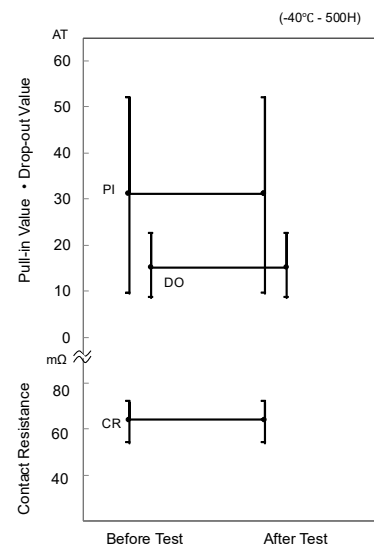
Temperature and Humidity Cycle



High Temperature Storage Test



Low Temperature Storage Test

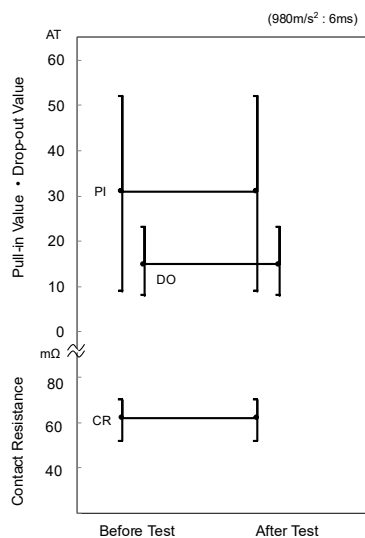


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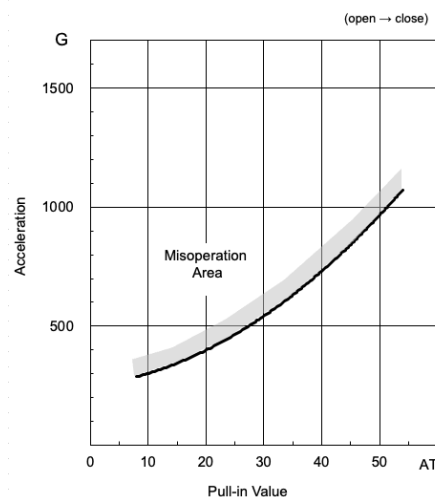
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Environmental Characteristics:

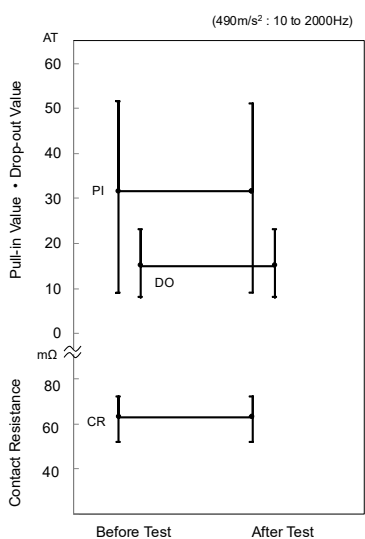
Shock Test (Electrical Characteristics)



Shock Test (Misoperation area)



Vibration Test



Please note: All technical specifications on this series datasheet refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request. This series datasheet could contain technical inaccuracies or typographical errors. Changes are periodically made to the information herein. These change will be incorporated in future revisions. For deviating values, most current specifications and products please contact your nearest sales office.