REED SWITCH

ORD324H

General purpose miniature-type, long lead

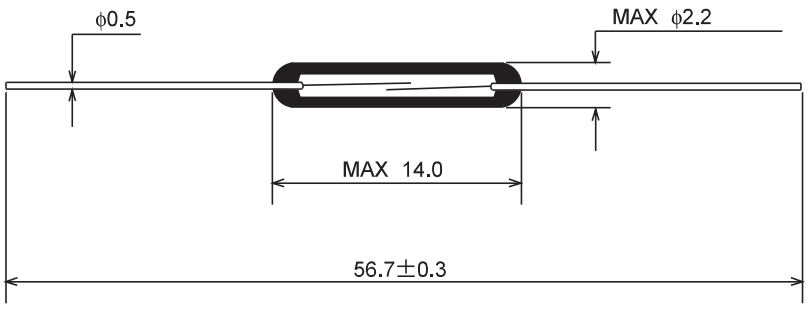
■ GENERAL DESCRIPTION

The ORD324H is a small single-contact reed switch designed for general control of low-level loads less than 200V. The contacts are sealed within the glass tube with inert gas to maintain contact reliability.

■ FEATURES

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

■ EXTERNAL DIMENSIONS (Unit: mm)



■ APPLICATIONS

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

■ ELECTRICAL CHARACTERISTICS

Parameter	Rated value	Unit
Pull-in Value (PI)	10～40	AT
Drop-out Value (DO)	3min	AT
Contact Resistance (CR)	100max	mΩ
Breakdown Voltage	250min	VDC
Insulation Resistance	10^{10}min	Ω
Electrostatic Capacitance	0.3max	pF
Contact Rating	10	VA
Maximum Switching Voltage	200DC	V
	150AC	V
Maximum Switching Current	0.5	A
Maximum Carry Current	1.0	A

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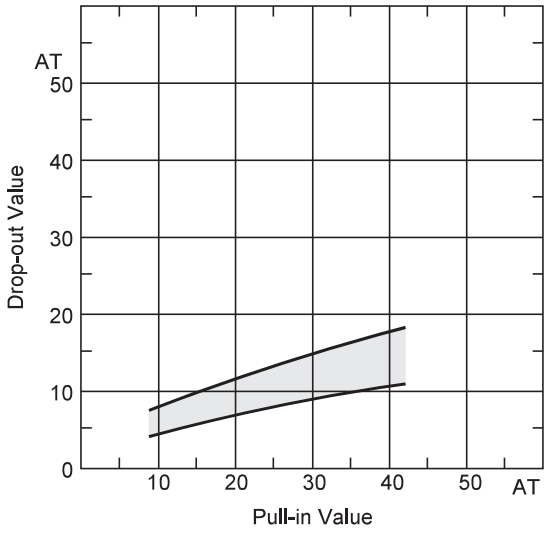
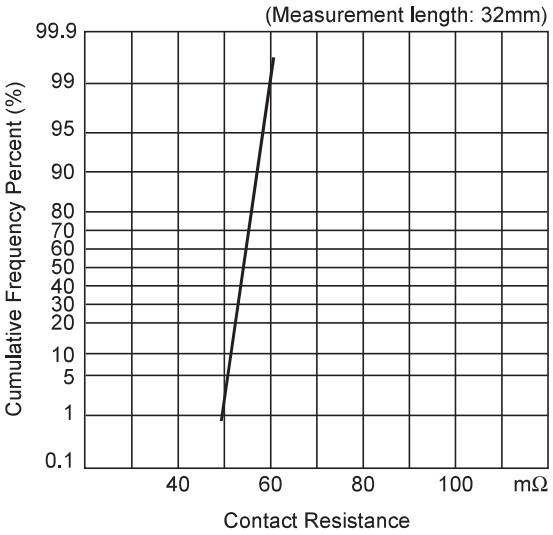
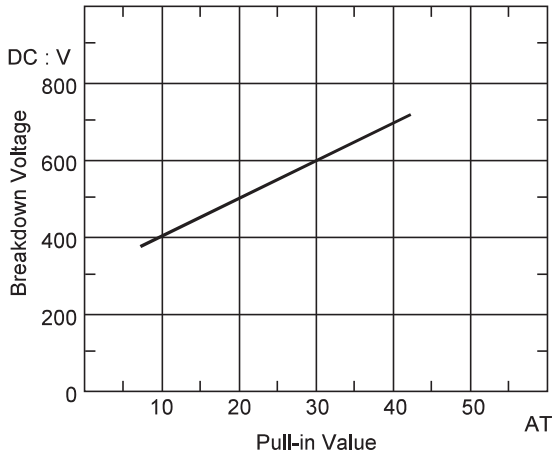
(1) Pull-in Value vs. Drop-out Value



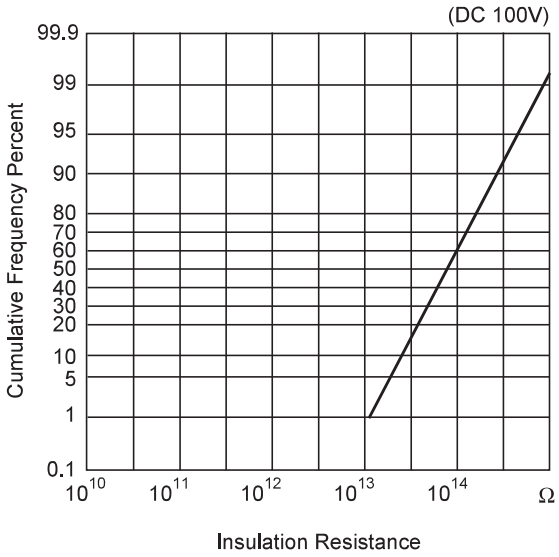
(2) Contact Resistance



(3) Breakdown Voltage



(4) Insulation Resistance



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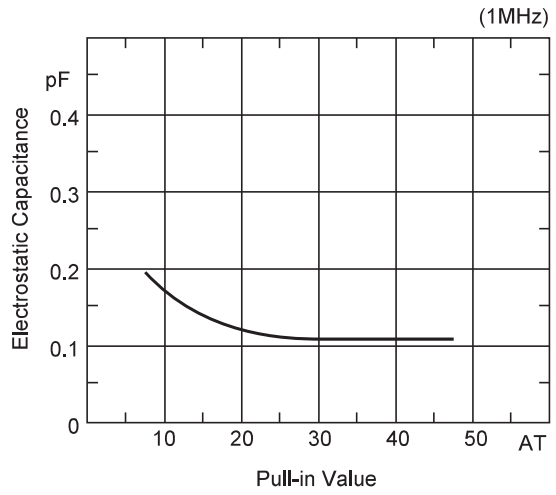
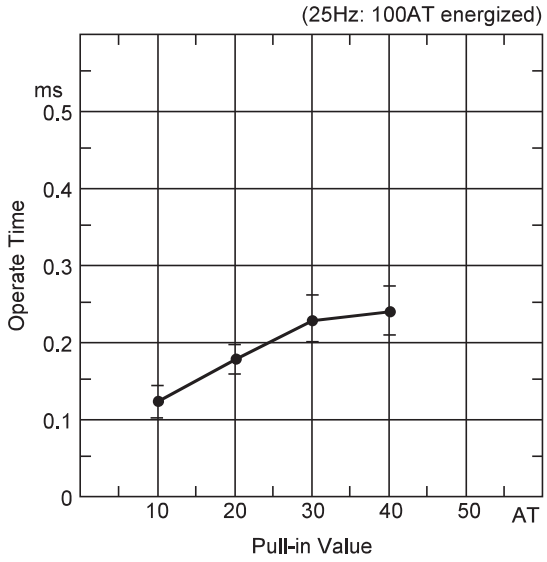
(5) Electrostatic Capacitance



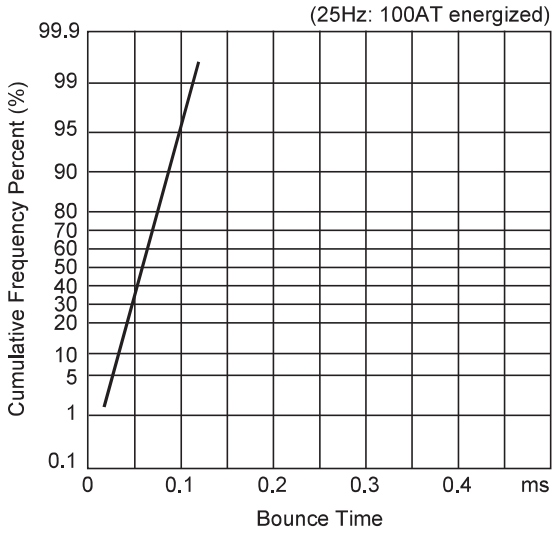
■ OPERATING CHARACTERISTICS

Parameter	Rated Value	Unit
Operate Time	0.4max	ms
Bounce Time	0.3max	ms
Release Time	0.05max	ms
Resonant Frequency	5000±400	Hz
Maximum Operating Frequency	500	Hz

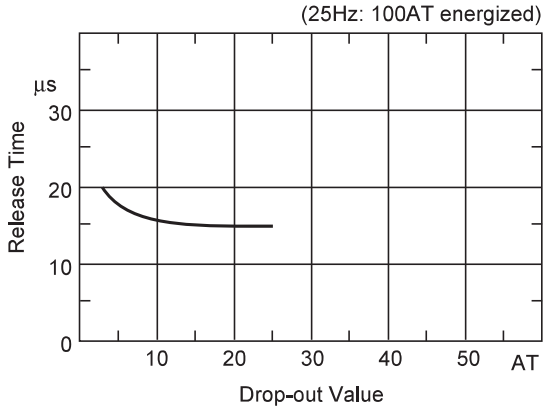
(1) Operate Time



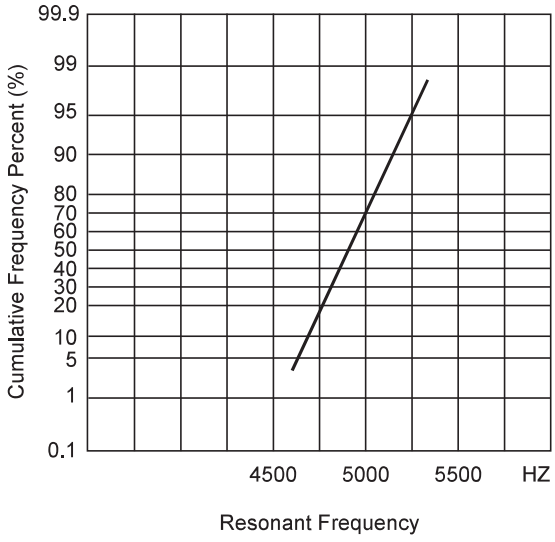
(2) Bounce Time



(3) Release Time

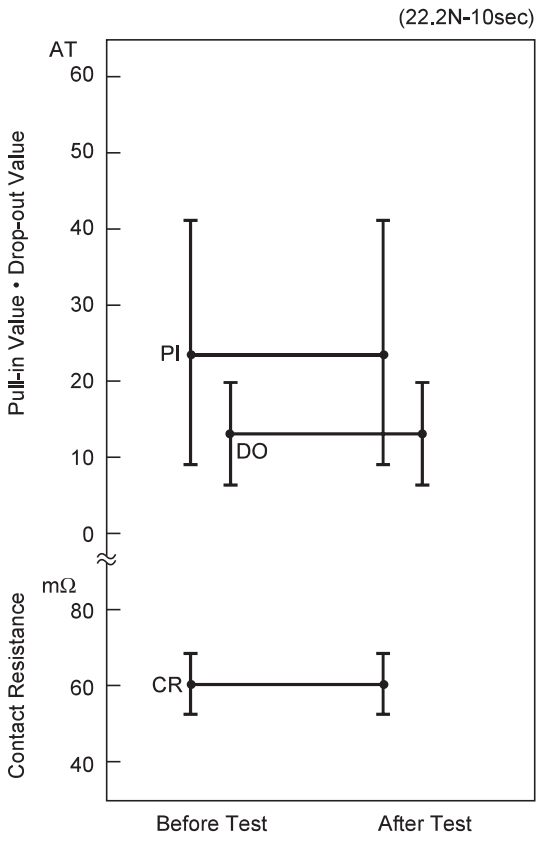


(4) Resonant Frequency

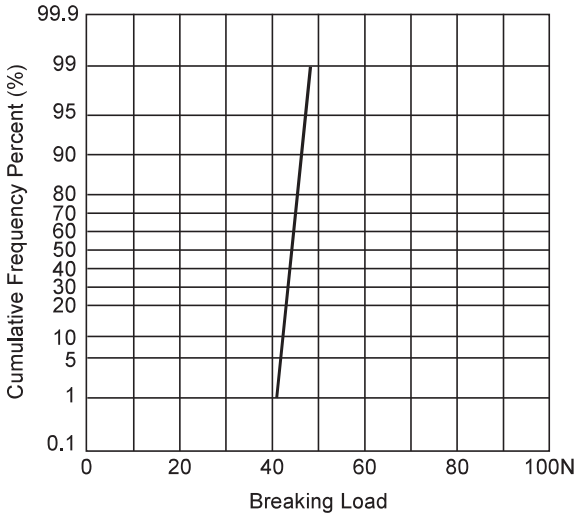


■ MECHANICAL CHARACTERISTICS

(1) Lead Tensile Test (Static Load)

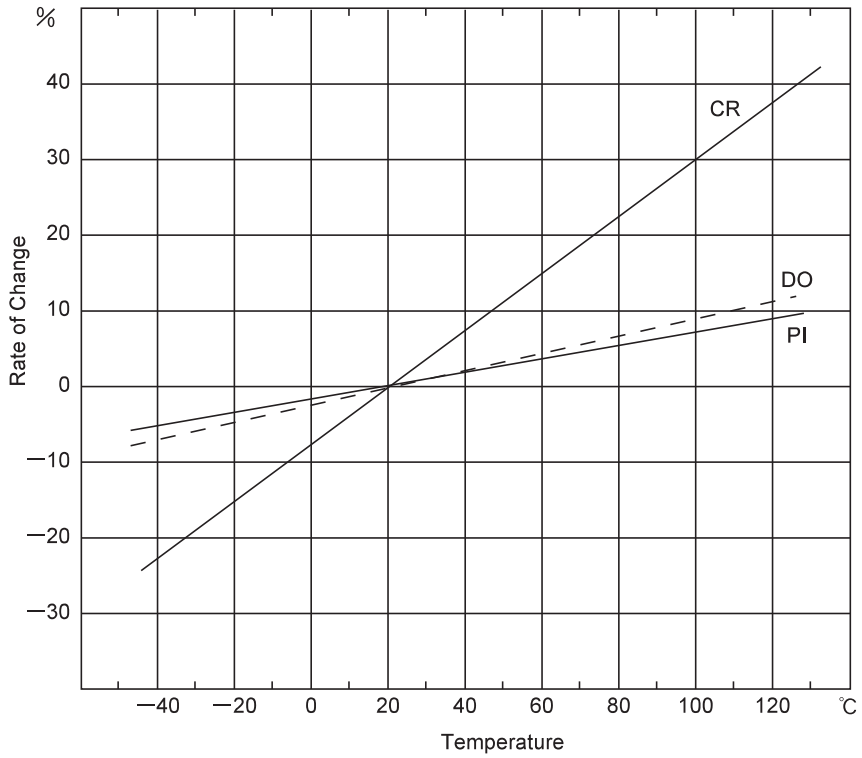


(2) Lead Tensile Strength



■ ENVIRONMENTAL CHARACTERISTICS

(1) Temperature Characteristics



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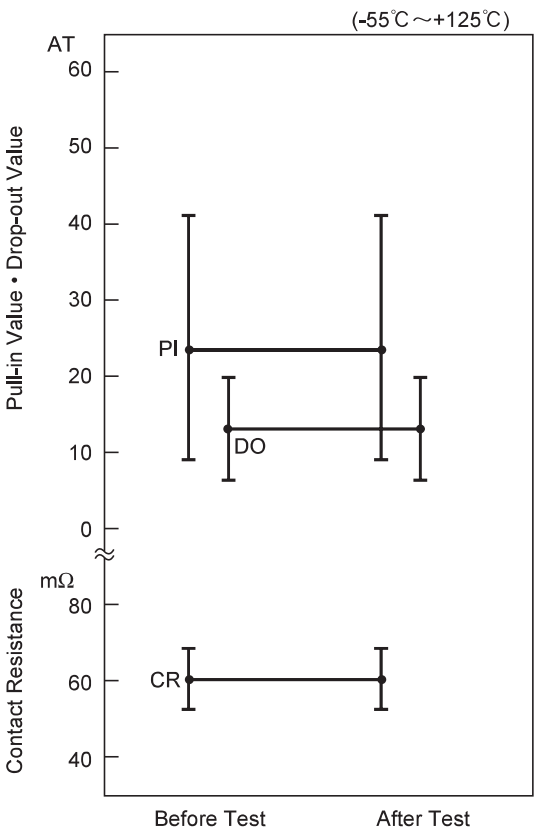
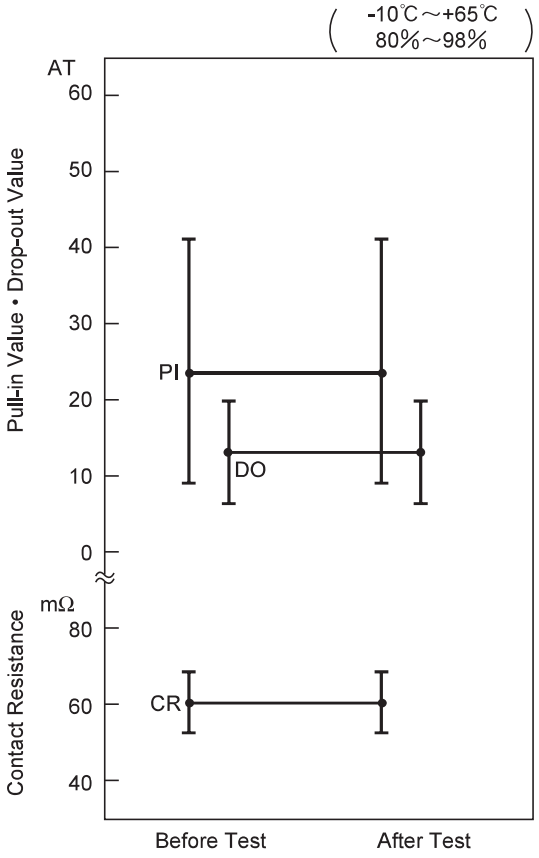
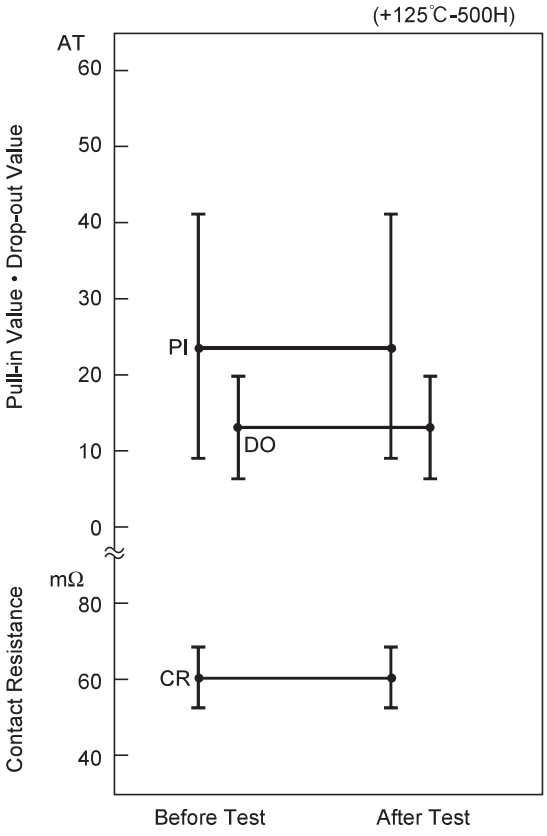
(2) Temperature Cycle



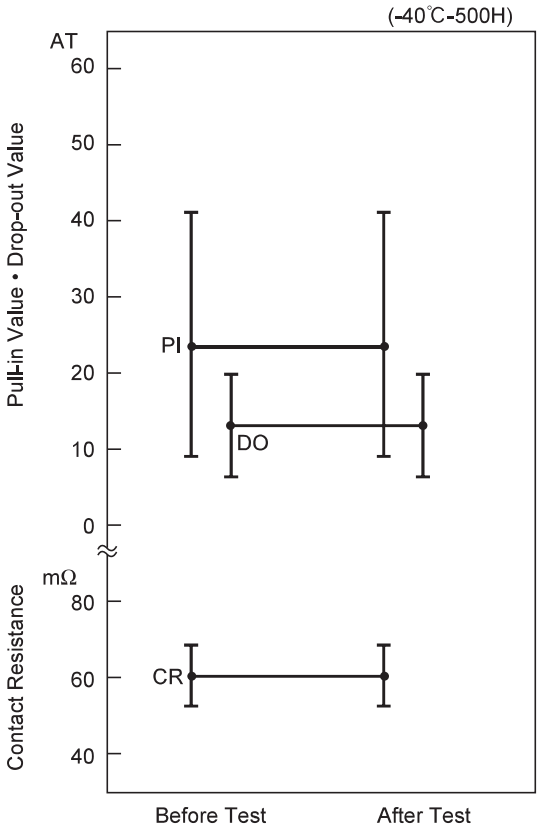
(3) Temperature and Humidity Cycle



(4) High Temperature Storage Test



(5) Low Temperature Storage Test



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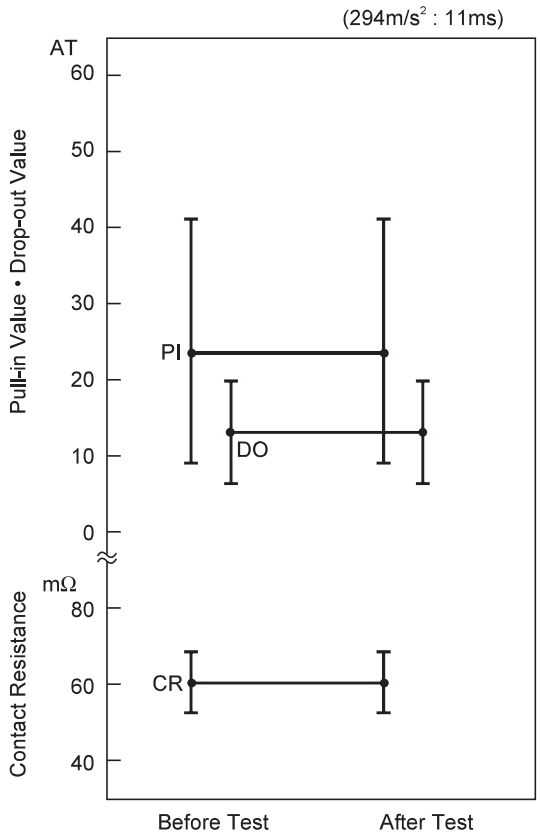
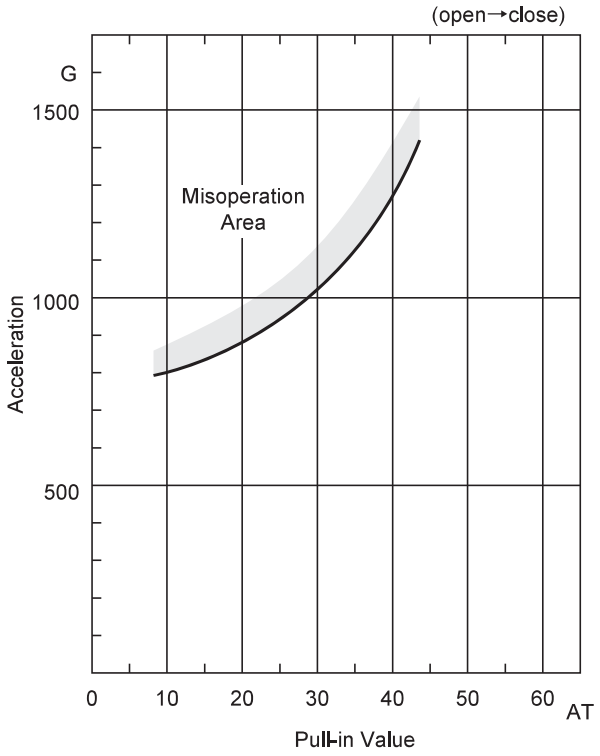
(6) Shock Test

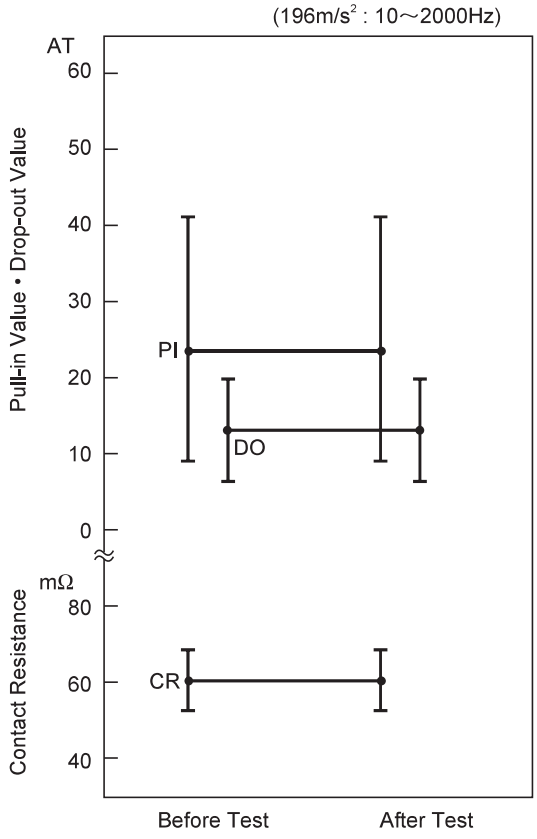
1) Electrical Characteristics



2) Misoperation Area



(7) Vibration Test



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