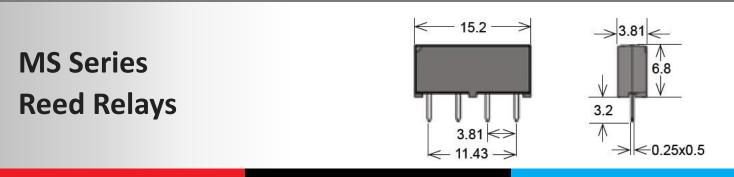


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- > Features: Micro Single In-Line Relay, High Resistance Coil Option available
- > Applications: ATE Systems, Computer Peripherals, Alarm Systems, Measurement Equipment & Others
- Markets: Test and Measurement, Security & Others

Part Descript	ion: MS	<b>00-1A</b>	87-75X		
Nominal Voltage	Contact QTY	Contact Form	Switch Model	Pin Out	Option
05, 12	1	Α,	87	75	L, D (HR = High Resistance Version)

Customer Options	Switch Model	Linit	
Contact Data	87	Unit	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W	
Switching Voltage (max.) DC or peak AC	200	V	
Switching Current (max.) DC or peak AC	0.5	А	
Carry Current (max.) DC or peak AC	1.0	А	
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm	
Breakdown Voltage (min.) According to EN60255-5	0.225	kVDC	
<b>Operating Time (max.)</b> Incl. Bounce; Measured with w/ Nominal Voltage	0.5	ms	
Release Time (max.) Measured with no Coil Excitation	0.1	ms	
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	1011	GOhm	
Capacitance (typ.) @ 10kHz across open Switch	0.2	pF	



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Custom Engineered Solutions for Tomorrow

# A Global Leader in the Design, Development, and Manufacture of Sensor and Magnetic Components

## Series Datasheet – MS Reed Relays

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nal Coil Power (typ.)
mW
89
50
205

The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0.4% per °C.

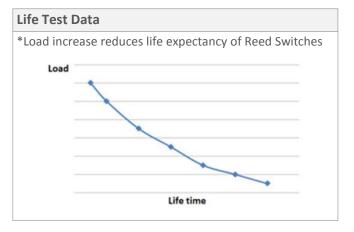
Environmental Data	Unit	
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-20 to 70	°C
Storage Temperature	-35 to 95	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

#### Handling & Assembly Instructions

- Switching inductive and/or capacitive loads create voltage and/or current peaks, which may damage the relay.
  Protective circuits need to be used.
- External magnetic fields needs to be taken into consideration, including a too high packing density. This may influence the relays' electrical characteristics.
- Mechanical shock impacts e.g. dropping the relays may cause immediate or post-installation failure.
- Wave soldering: maximum 260°/5 seconds.
- Reflow soldering: Recommendations given by the soldering paste manufacturer need to be considered as well as the temperature limits of other components/processes.

Glossary Contact Form				
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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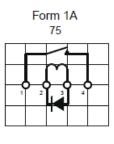
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Pin Out

Top View 3.81mm [0.15"] pitch grid

Pin #2 must be positive when internal diode protection is present.





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