



- ### Features
- \* 1 form A Dry Reed Relay
  - \* High insulation resistance of  $10^{14}$  ohm over open contact
  - \* Electrostatic shield
  - \* Relay for measurement equipment, test and control systems
  - \* RoHS compliant

### Technical data

Input Data/Coil Data	Conditions				unit
Nominal voltage		5	12	24	V
Coil resistance	+/- 10 %	200	1000	4000	Ohm
Must operate / Pull in		3.5	8.4	18	V
Must release / Drop out		0.75	1	4	V
Nominal input power		125	144	144	mW

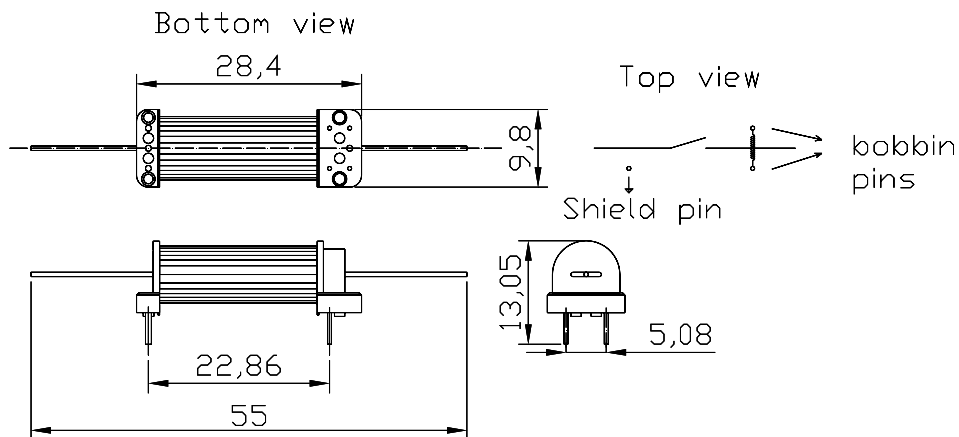
Output Data/Contact Data	Conditions				unit
Max. switching power	Max DC/PeakAC Resistive	10			W/VA
Max. switching voltage	Max DC/PeakAC Resistive	200			V
Max. switching current	Max DC/PeakAC Resistive	1			A
Max. carry current	Max DC/PeakAC Resistive	2			A
Max. contact resistance	50 mV, 10 mA	150			mOhm
Life expectancy, min	1 V, 10 mA	$100 \times 10^6$			Ops.
Contact material		Rhodium			

Relay parameters	Conditions	MIN	TYP	MAX	UNITS
Insulation resistance	between contacts	$10^{14}$			Ohms
	Between contact and coil at 500 V, 25°C, 40% RH	$10^{14}$			Ohms
Capacitance	Across open contacts		0.5	0.6	pF
	Open contact to coil		1.2	1.5	pF
Dielectric strength	Between contacts	400			VDC/Peak AC
	Cont. to coil / cont. to shield / coil to shield	2000			VDC/Peak AC
Operate time (bounce incl)	At nominal coil voltage, 10 Hz Sq.W.		0.3	0.5	ms
Release time	Zener-diode suppression		0.3	0.5	ms

### Environmental Ratings

Operating temperature		-25	85	°C
Storage temperature		-25	85	°C
Shock resistance	1/2 sine wave duration 11 ms		50	g
Vibration resistance	10 to 2000 Hz		20	g
Weight		3.2		grams
Terminal solderability	IEC 68-2-20 test Ta, method 1, solderbath temp 235°C, immersion time 2 sec			
Resistance to solder heat	IEC 68-2-20 test Tb, method 1A, solderbath temp 260°C, immersion time 10 sec			

### Dimensions in mm



### Ordering Information

MDAS1A05  
 MDAS1A12  
 MDAS1A24

