Misensor
Your Sensing Solutions
Sensors Switches Relays

High Voltage Reed Relay
HVR Wet Series

Product Feature

- *High Dielectric Strength-up to 2000V Isolation*
- *High Carry Current*
- *Low Contact Resistance*
- *Excellent Lifetime Characteristics*
- *Custom Design Available For Coil Resistance And Pin Out*

Specifications

■ Coil Specifications	Units	Conditions	Form 1A			Form 2A			Form 1C		
Nominal Coil Voltage	VDC		5.0	12	24	5.0	12	24	5.0	12	24
Max Operating Voltage	VDC		7.0	16	29	7.0	16	29	7.0	16	29
Max Pull-in Voltage	VDC	@20˚C	4.0	9.0	18	4.0	9.0	18	4.0	9.0	18
Min Drop-out Voltage	VDC	@20˚C	0.5	1.0	2.0	0.5	1.0	2.0	0.5	1.0	2.0
Coil Resistance	ohms	±10%@20˚C	100	620	1400	120	250	1600	120	250	1600
■ Contact Ratings											
Max Contact Rating	W	Any DC combination of V&A not to exceed their individual max.'s	50								
Max Switch Voltage	V	DC or AC peak	1000								
Max Switch Current	A	DC or AC peak	1.0								
Max Carry Current	A	DC or AC peak	5.2								
Max Breakdown Voltage	V	DC or AC peak	2000								
Contact Resistance	mohm	Maximum	80								
■ Relay Specifications											
Breakdown Voltage	V	DC or AC peak	2000								
Isolation Contact to Coil	V	DC or AC peak	2000								
Insulation Resistance Contact to Coil	ohms	Minimum, RH<45%, 200VDC test voltage	10^{12}								
Operate Time, incl. Bounce	ms		3.0								
Reset Time	ms		3.0								
Cpaccitance Across Contact	pF		0.8								
Storge Temprature	˚C		-35 to +105								
Operating Temprature	˚C		-20 to +70								
Soldering Temprature	˚C		5 sec. max 260								

Order Information

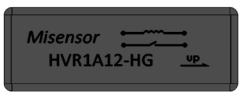
HVR1A12 — HG

- Product Name
- (1A=Form 1A,2A=Form 2A,1C=Form 1C) Contact Form
- Mercury Reed Relay
- Normal Voltage (05=5V, 12=12V, 24=24V)

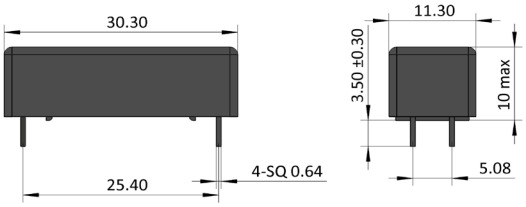
Mechanical Dimensions

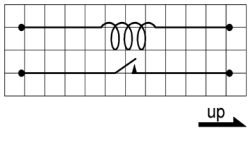
All Dimensions in mm

Top View



Form 1A

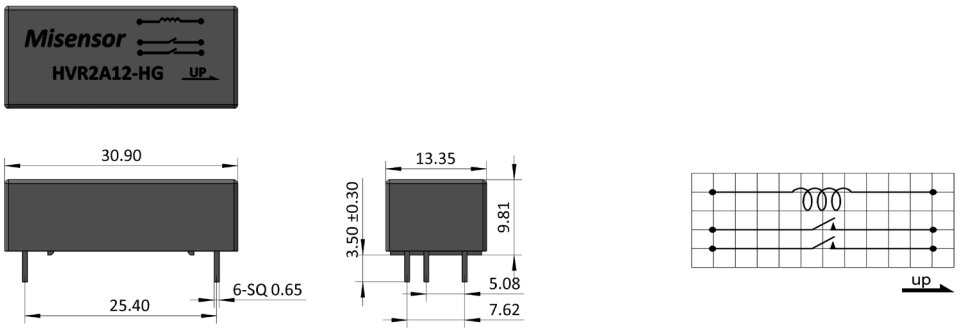




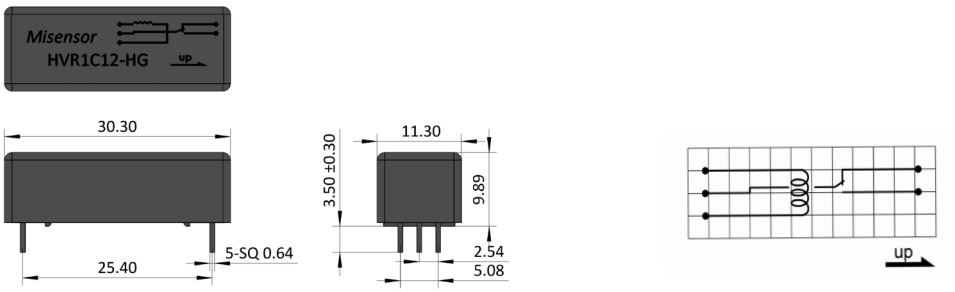
Mechanical Dimensions

All Dimensions in mm **Top View**

Form 2A



Form 1C



Mailbox:

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Note: **Hg wet contacts must be mounted within 30˚ of vertical plane**