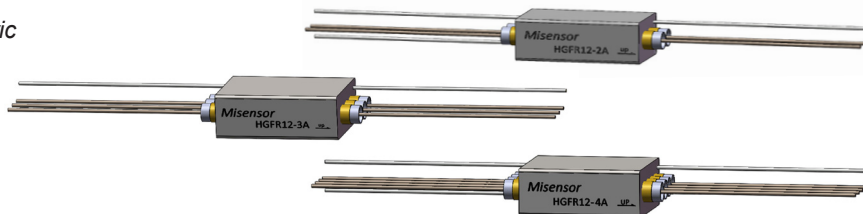


High Voltage Mercury Reed Relay HGFR Series

Product Feature

- High Power Mercury Reed Relay, Dielectric Strength up to 2000VDC
- High Carry Current
- Low Contact Resistance
- Excellent Lifetime Characteristics
- High Insulation Resistance up to 10^{13}
- Custom Design Available



Specifications

Coil Specifications	Units	Conditions	Form 2A			Form 3A		Form 4A	
Nominal Coil Voltage	VDC		5	12	24	12	24	12	24
Max Operating Voltage	VDC		6.5	16.0	29	16.0	29	16.0	29
Max Pull-in Voltage	VDC	@20°C	4.0	9.0	18	9.0	18	9.0	18
Min Drop-out Voltage	VDC	@20°C	0.5	1.0	2.0	1.0	2.0	1.0	2.0
Coil Resistance	ohms	±10% @20°C	100	400	1600	400	1200	300	1200

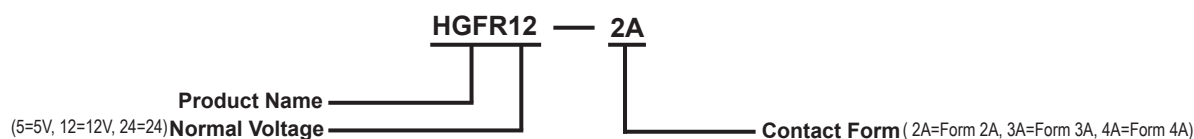
Contact Ratings

Max Contact Rating	W	Any DC combination of V&A not to exceed their individual max.'s DC or AC peak DC or AC peak DC or AC peak DC or AC peak Maximum	50	
Max Switch Voltage	V		1000	
Max Switch Current	A		1.0	
Max Carry Current	A		5.2	
Max Breakdown Voltage	V		2000	
Contact Resistance	mohm		80	

Relay Specifications

Breakdown Voltage	V	DC or AC peak DC or AC peak Minimum, RH<45%, 200VDC test voltage	2000	
Isolation Contact to Coil	V		2000	
Insulation Resistance Contact to Coil	ohms		10^{13}	
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 Temperature	°C		5 sec. max 260	

Order Information

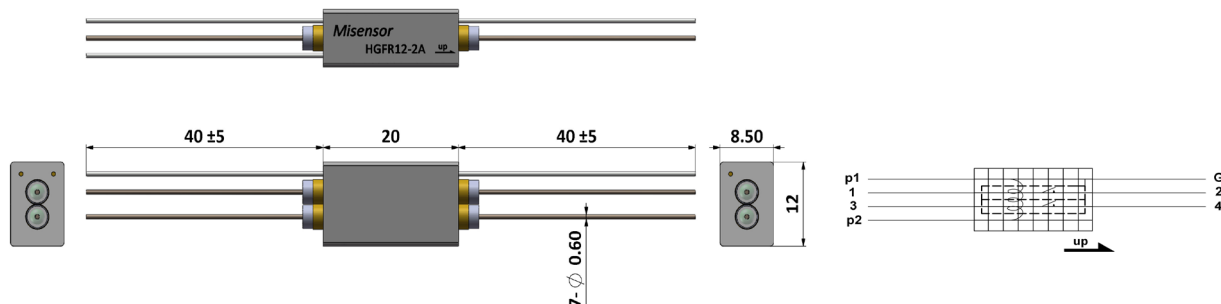


Mechanical Dimensions

All Dimensions in mm

Top View

Form 2A

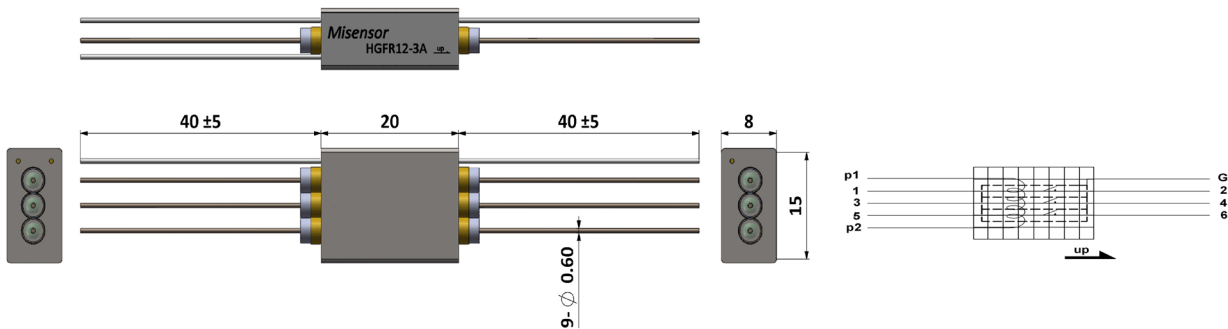


Mechanical Dimensions

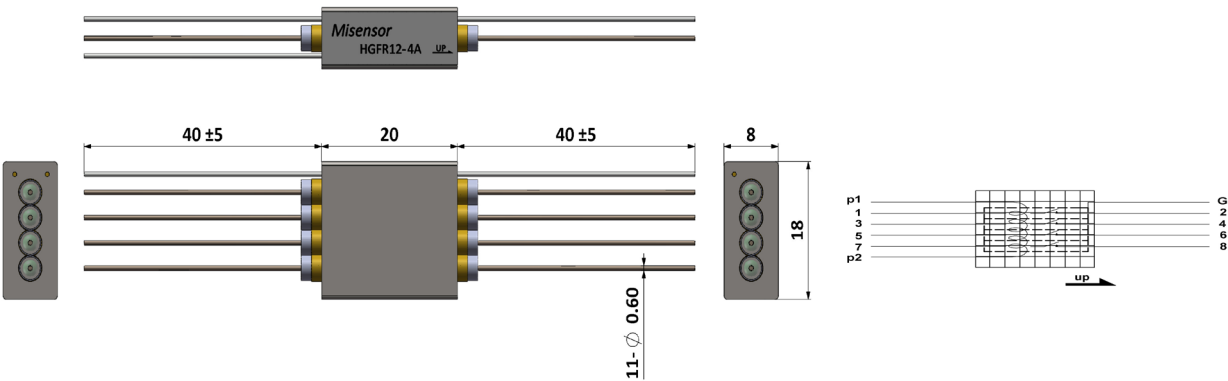
All Dimensions in mm

Top View

Form 3A



Form 4A



Mailbox:
Sales@misensor.com

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