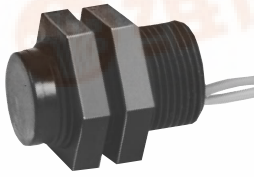


# Solid State Sensors

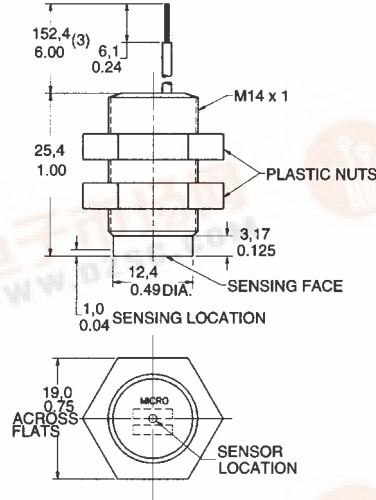
## Digital Position Sensors

# SR3 Series



### MOUNTING DIMENSIONS

(For reference only)

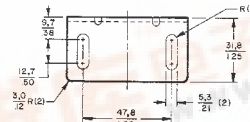
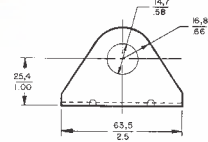


### 24AWG Leadwire color code:

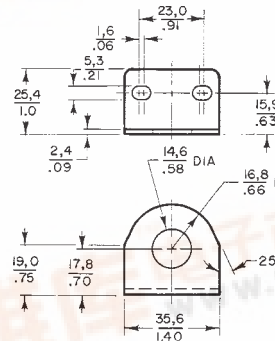
- Red Vs (+)
- Green Output
- Black Ground (-)

### MOUNTING BRACKETS

#### 1SR14M



#### 1SR14MHD



### FEATURES

- Completely enclosed housing
- Color coded leadwires
- High speed, no-touch operation over 100 kHz possible
- Adjustable mounting
- Reverse polarity protection (bipolar listing)
- Meets NEMA 3, 3R, 3S, 4, 4X, 12 and 13 requirements
- Bushing is PBT (Valox 420 SEO) 30% glass filled

Digital

### SR3 ORDER GUIDE

Catalog Listings		SR3F-A1	SR3B-A1	SR3G-A1	SR3C-A1	SR4P2-A1			
Supply Voltage (VDC)		4.5 to 24	4.5 to 24	4.5 to 24	4.5 to 24	6 to 24			
Supply Current (mA max.)		18.0	15.0	22.0	19.0	13.5			
Output Type		Sink	Sink	Sink	Sink	Sink			
Output Voltage (V max.)		0.40	0.40	0.40	0.40	0.40			
Current per Output (mA max.)		10	10	10	10	20			
Magnetics Type		Unipolar (1)	Bipolar (2)	Unipolar (1)	Unipolar (1)	Omnipolar (3)			
Magnetic Char. & Temp.		G mT		G mT		G mT			
-40 to 85°C	Max. Op.	450	45.0	150	15.0	190	19.0	25	2.5
	Min. Rel.	170	17.0	-150	-15.0	60	6.0	5	0.5
	Min. Dif.	20	2.0	40	4.0	10	1.0	7	0.7
25°C (+77°F)	Typ. Op.	400	40.0	90	9.0	150	15.0	15	1.5
	Typ. Rel.	185	18.5	-90	-9.0	100	10.0	11	1.1
	Typ. Dif.	20	2.0	80	8.0	30	3.0	4	0.4

(1) A unipolar sensor has a plus maximum operate point and a plus minimum release point. One magnetic pole (south) is required to operate and release a unipolar sensor.

(2) A bipolar sensor has a plus (south pole) maximum operate point and a minus (north pole) minimum release point. Operate and release points can be both positive, or both negative. **Latching cannot be guaranteed.** Ring magnets are usually used with bipolar sensors.

(3) An omnipolar sensor operates with any magnetic field (north or south pole).

(4) Operating characteristics are from -20°C to +85°C for SR4P2-A1.

(5) To order 1 meter jacketed leads, replace the 1 at end of listing with a 2.

Example: SR3E-A2.

G = Gauss

mT = milliTesla

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