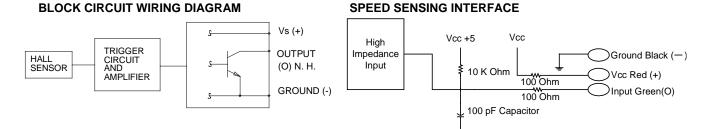
SR16/17 Hall Effect Vane Sensors

ELECTRICAL CHARACTERISTICS -20°C TO 85 °C, 3.8 TO 30 VDC

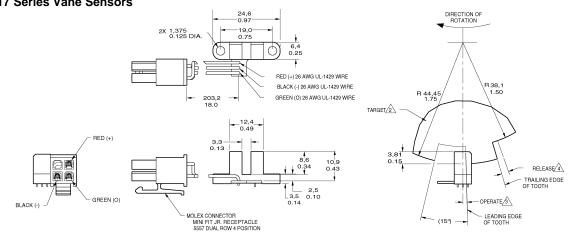
	Min.	Max.	Remarks
Supply voltage		3.8 to 30	VDC
Current consumption	_	9	mA (off) 10 mA (on)
Output voltage (operated)	_	0.40 V	Sinking 20 mA max.
Sink current (operated)	_	20	mA
Output leakage current (released)	_	10 μΑ	V _{OUT} = 30 VDC, V _{CC} = 24 VDC
Output switching time			
Rise, 10 to 90%	_	1.5 μs	$V_{CC} = 12 \text{ V}, R_L = 1.6 \text{ K}\Omega, C_L = 20 \text{ pF}$
Fall, 90 to 10%	_	1.5 μs	V_{CC} = 12 V, R_L = 1.6 K Ω , C_L = 20 pF
Operating Temperature	-20°C to +85°C (-4°F to +185°F)		

MECHANICAL CHARACTERISTICS

Operating Range 12 VDC @ 25°C				
	Operate	Release		
	1.5° ± 2.0°	$3.0^{\circ} \pm 2.5^{\circ}$		
CONDITIONS				
Target engagement distance 0.150 in to 0.300 in				
RPMs 0 to 5000				
Slot depth 0.250 in min.				



MOUNTING DIMENSIONS (for reference only) mm/in SR16/17 Series Vane Sensors



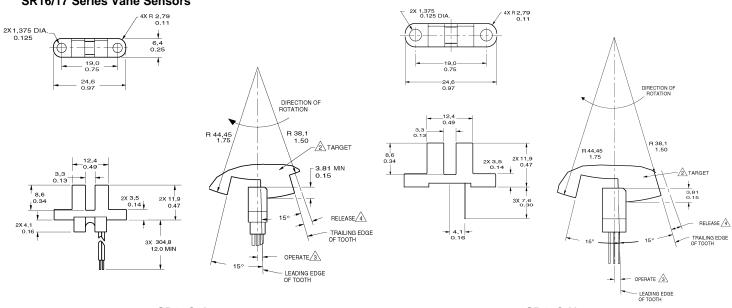
SR16C-J4

Solid State Sensors

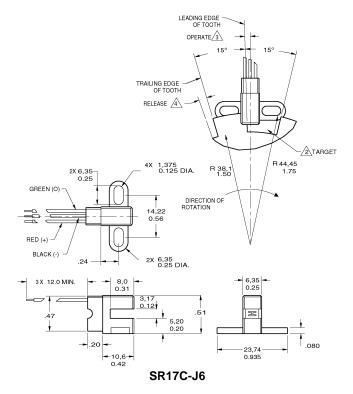
SR16/17 Hall Effect Vane Sensors

SR16/17 Series

MOUNTING DIMENSIONS (for reference only) mm/in SR16/17 Series Vane Sensors



SR16C-J6 SR16C-N



Notes:

- $Mounting \ specification: non-ferrous \ \#4 \ machine \ head \ screws \ with \ .25 \ OD \ washers \ torqued \ to \ 3-5 \ in-lbs.$
- Suggested target configuration, material: .045 low carbon steel, high permeability, low residual induction.
- Operate (degrees) is the angular distance from the leading edge of the tooth to the centerline of the sensor.
- 4. Release (degrees) is the angular distance from the trailing edge of the tooth to the centerline of the sensor.
- Operating specification is based on target shown.