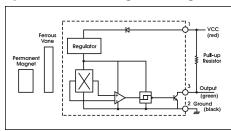
VN1015 Digital Vane Switch



Magneticallyactivated digital vane switch in a rugged, overmolded plastic housing with three pins or 3-wire harness.

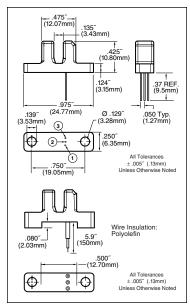
- Available in Two Operating Temperature Ranges
- Immune From Moisture and Dust
- Reliable and Repeatable
- No Mechanical Contacts to Wear Out
- Operate From 5 to 24VDC
- Reverse Battery Protection to -24VDC
- Open Collector Output Compatible With All Logic Families
- Sensor Body Material: Glass-Filled Polyester
- Recommended Vane Parameters
 - -Material: Low-carbon, Cold-rolled Steel
 - -Minimum Dimensions: 0.40" Thick, 0.250" Wide
 - -Vane should penetrate to a depth less than 0.120" from bottom of sensor slot.

Open Collector Sinking Block Diagram



Part #	Operating Voltage Range (VDC)	Supply Current, mA max	Output	Output Saturation Voltage, mV max	Output Current, mA max	Operate Temp. Range, °C	Storage Temp. Range, °C	Termination
VN101501	4.5 to 24	6	3-pin sink	400	25	-40 to 85	-40 to 85	pins
VN101502	5 to 24	6	3-pin sink	400	25	-40 to 125	-40 to 125	pins
VN101503	4.5 to 24	6	3-wire sink	400	25	-40 to 85	-40 to 85	24 AWG x 150mm leads
VN101504	5 to 24	6	3-wire sink	400	25	-40 to 125	-40 to 125	24 AWG x 150mm leads
	VN101501 VN101502 VN101503	Part # Voltage Range (VDC) VN101501	Part # Voltage Range (VDC) Supply Current, mA max VN101501 4.5 to 24 6 VN101502 5 to 24 6 VN101503 4.5 to 24 6	Part # Voltage Range (VDC) Supprint Current,	Part # Voltage Range (VDC) Surprise Current,	Part # Voltage Range (VDC) Supply Current, mA max Output Saturation Voltage, mV max Current, mA max VN101501 4.5 to 24 6 3-pin sink 400 25 VN101502 5 to 24 6 3-pin sink 400 25 VN101503 4.5 to 24 6 3-wire sink 400 25 VN101504 5 to 24 6 3-wire sink 400 25	Part # Voltage Range (VDC) Supply Current, mA max Output Saturation Voltage, mV max Current, mA max Current, mA max Current, mA max Current, mA max Temp. Range, °C VN101501 4.5 to 24 6 3-pin sink 400 25 -40 to 85 VN101503 4.5 to 24 6 3-wire sink 400 25 -40 to 85 VN101504 5 to 24 6 3-wire sink 400 25 -40 to 85	Part # Voltage Range (VDC) Supply Current, mA max Output mA max Saturation Voltage, mV max Output mA max Output mA max Saturation Voltage, mV max Output mA max Derate may mA max Temp. Range, °C Range, °C VN101502 5 to 24 6 3-pin sink sink 400 25 -40 to 125 -40 to 125 -40 to 85 VN101504 5 to 24 6 3-wire sink 400 25 -40 to 125 -40 to 125 -40 to 125

Dimensions



H E 3 1 3 5

LATCH ASSEMBLY

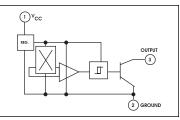
HE3135 Hall Effect Latch Assembly



Magneticallybiased bipolar digital latch for use with multipole ring magnets.

- Offers Extreme Sensitivity
- Reliable No Moving Parts to Wear Out
- Compact Size
- Output Compatible with All Digital Logic Families
- Symmetrical Output
- Latches in Presence of a South Pole and Unlatches In Presence of a North Pole

Sinking Block Diagram



Dimensions

Part #	Operating Voltage Range (VDC)	Supply Current, mA max	Output	Output Saturation Voltage, mV max	Output Current, mA max	Operate Temp. Range, °C	Storage Temp. Range, °C	Termination
HE313500	4.5 to 24	9	sink	400	25	-20 to 85	-40 to 105	Straight Terminals
HE313501	4.5 to 24	9	sink	400	25	-20 to 85	-40 to 105	Right-Angle Terminals

0.018" (0.45mm) 5°	0.162" -(4.1mm)- - 0.065" (1.65mm)
0.178" (4.52mm) (4.52mm) (4.55mm) 0.179" (4.55mm) 12.7mm Min.	