



Technical Specifications

R100/R300 Feedback Module

General:

Aluminum housing-polyester coated
2 Conduit connections ½" NPT
Internal and external grounding points
Enclosure Nema 4X/IP 66
Bolts on directly to V100 series positioner-no special tools or mounting needed
Operating temp -40 to +185° F
-40 to +85° C

Mechanical Switches:

Type: SPDT-Co Form C, (V3)
Load: Resistive (Inductive)
max 10 A (3) 125/250 VAC
max 0.25 A (0.04) 230 VDC
max 0.5A (0.1) 115 VDC
max 6 A (4) 30 VDC
max 8.5 A(5) 14 VDC
max 11 A (6) 8 VDC

Reed Switches:

Type SPDT-CO Form , Form C
Contact rating: max 5W or 5VA @ 30 VDC/VAC 0.16 A

Voltage: Switching max 175 VDC
Breakdown min 200 VDC

Current Switching max0.25 A
Carry max 1.5 A

Contact resistance: 0.2 Ohms
Contact capacitance: 0.3 pF
Mechanical and electrical life: over 100 million operations

4/20 mA Position Feedback:

Voltage supply: 10-30 VDC
Output 4-20 mA, 2 wire
Loop Impedance: max 700W @ 24 VDC
Max linearity error: <1.5%
Hysteresis <0.3%
Temp. sensitivity < 0.1%/10°F (5.5°C)

Potentiometer:

Output: 5K Ohms (3.8K Ohms at 90 deg)
Elements: Conductive plastic
Power rating at 158°F (70 °C)1W
Linearity ± 1%
Resolution: Essentially infinite

NAMUR Sensors:

Power supply: Max 28 VDC
Output signal: 4-20 mA
Resolution: infinite
Linearity: < 1% full scale
Hysteresis:< 0.5% of full scale