

AVSA Analog Voltage Encoder

Electrical Specifications

Absolute Measuring Range	360 Degrees – Single Turn
Resolution	12 bit (4096) (2^{12})
PLC I/O Requirement	12 bit – 1 Wire Per Encoder
Repeatability	0.1 of a Degree
Input Supply Voltage	24VDC Nominal (18 – 30V) - Not Sensitive to Voltage Variations
Input Supply Current	15 mA Per Encoder (30 mA Per Arm)
Output	0.1 – 10.0 VDC
Controller Load Required	10K Ohm or Greater
Output Cable	Two 4 pin MALE M12 connectors on 6" cables (1 cable for Y and 1 for X axis). Customer can provide extension cables any length needed. Pin 1 Supply Voltage Pin 2 Output Voltage Pin 3 Ground Pin 4 not assigned
Description	Touchless Hall Technology Ridgedly Mounted, No Shaft Coupler Encoder Mechanically decoupled from Tool Arm Shafts Wear Free - Unlimited Life Not sensitive to dirt and dust (unless ferrous) Durable and accurate

