

AMSA Analog Current 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	4 – 20 mA
Controller Load Required	500 Ohm Max
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 Current 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

