

## IOSA IO-Link Encoder

### Electrical Specifications

Absolute Measuring Range	360 Degrees – Single Turn
Resolution	14 bit (16384) ( $2^{14}$ )
PLC I/O Requirement	1 Input Per Encoder
Repeatability	0.1 of a Degree
Input Supply Voltage	24VDC Nominal (18 – 30V) - Not Sensitive to Voltage Variations
Input Supply Current	Follow IO-Link Standards
Output	IO-Link Spec V1.1 to IEC 61131-9, Smart Sensor Profile. Programmable Parameters for Zero point offset, averaging and rotational direction.
Controller Load Required	N/A – Use a certified IO-Link Master
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 Not Connected Pin 3 Ground Pin 4 C/Q
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

