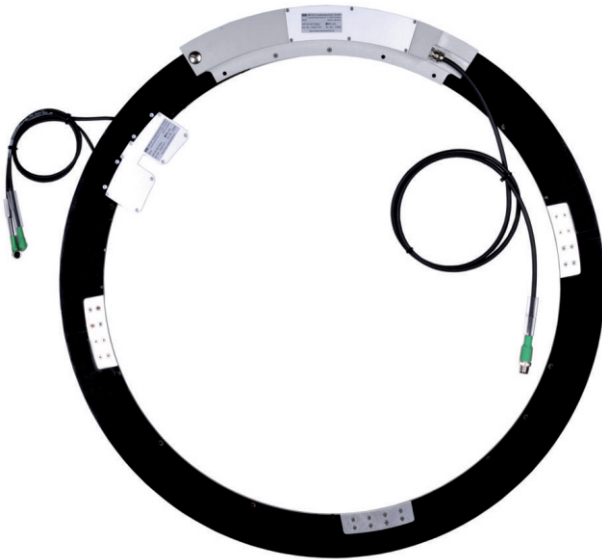


Overview



INPUD-IO-Link (Inductive Power and Data Transmission with stationary-side IO-Link interface) is used for contactless transmission of electrical energy to operate sensors in a rotating unit. Measured values from up to two sensors, e.g. for detection of a linear traverse path, are filtered internally, digitized and transmitted contactlessly to the stator. Based on inductive coupling, this process is wear-free and independent of rotational speed. The transfer takes place within the induction field. Load fluctuations on the rotor side or air gap variations are automatically detected and corrected by the system.

INPUD-IO-link is connected directly to a standard IO-Link master module.

Transmission of measurement signals from rotor to stator is carried out as a serial data stream; automatic error detection, i.e. error correction is integrated in the system. INPUD-IO-Link operates independently of rotational speed, transmission works reliably even under the harshest ambient conditions (dust, water, oil, etc.).

Since it has no mechanically contacting parts, INPUD-IO-Link requires no servicing and no regular maintenance. Diagnostic queries are transmitted on demand in real time in addition to the process data.

INPUD products are available in different performance categories and form factors. Please contact MESA for more information.

Features

- IO-Link Standard Schnittstelle, IO-Link Device 1.1
- 12 bit signal resolution
- 15 byte Process data
- different form factors/performance categories
- high data integrity, digital transmission method
- IO-Link repeater (optionally available)

Your benefits

- simple and fast installation
- no maintenance required, suitable for 24/7 continuous operation
- very compact design
- rotational speeds up to 1500 1/min
- housing protection IP60
- very low profile
- suitable for harsh industrial environments (e.g. chips, dust, moisture, etc.)

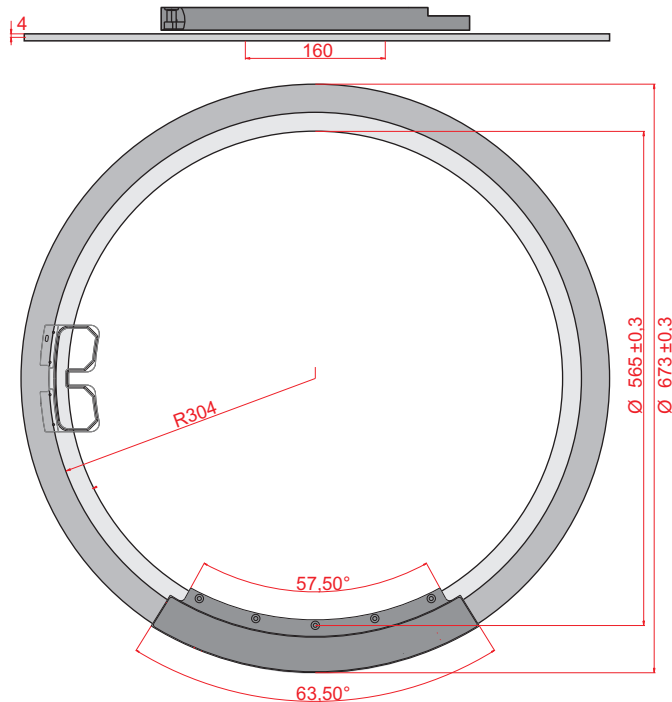
Applications

- Mechanical engineering
- Rotary tables
- Stranding machines
- IO-Link topologies

Technical data

Stator	Power supply	20-30 VDC/0,12 A nominal
	Interface	IO-Link Device 1.1
	Baud rate	230,4 kB
	Process data	15 bytes
	Connector plug	1,3 m connection cable with M12 cable plug
Rotor	Inputs	two A/D-converter, other bridge inputs as an option
	Measuring range	passive, potentiometric
	Resolution	12 bit
	Measurement	400 Hz
	Connection	custom specific
	Error detection	integrated
Mechanics	Dimensions	for shaft diameters up to 600 mm
	Connection	IO Link Specification V1.1 with 4 pin M12 cable plug
	Air gap	1,2 mm in axial direction ($\pm 0,8$ mm)
	Material	Aluminium anodized, FR4
	Temperatur erange	0..70 °C
	Protection class	IP60

Dimensions



Dimensions INPUD-IO-Link, protection class IP60

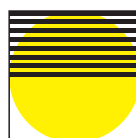
Accessories

IO-Link Device Tool-Testsystem allows quick and easy connection between a personal computer and a IO-Link end device, includes CD ROM, wall power supply, documentation and the necessary cable connectors

IO-Link DLL Routines to direct link into the application software, delivery on CD ROM



Your contact



MESA

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