Encoders vw.ifm.com/ab/encod



Communication via IO-Link

The new

All new encoders allow parameter setting via IO-Link. The transmission of process and diagnostic data creates transparency and increases the operational reliability. These options of communication ensure that the units are more than fit for Industry 4.0.

Flexible:

The resolution (2...10,000) and the signal level (TTL / HTL) are programmable.

Universal:

Only one voltage range from 4.5...30 V DC.

Multifunctional:

Integrated signal evaluation for rotational speed / direction of rotation monitoring as well as counter function.

Intuitive:

Easy adjustment by means of pushbuttons, display and intuitive menu navigation.

Informative:

Two-colour display for indicating the process values.

Networked:

Diagnostic and parameter data are reliably transferred via IO-Link. Ready for Industry 4.0. Display ensures a clear overview All functions and

parameters can be set on the unit via pushbuttons and LED display. During operation the current pulse, count or rotational speed values are displayed according to the set mode. The innovation: The two colours (red / green) show the user at once if the machine is in the acceptable

range or if limits have been exceeded. Furthermore the display can be rotated electronically by 180 degrees which allows flexible installation positions.



it possible

The encoders are equipped with a 32-bit microprocessor. So, the precision and the dynamic range are on a par with optical encoders. With a resolution of 16 bits a precision of < 0,1°

BasicLine

The basic version for users who want to use the unit as encoder and need no





Intelligent, simple and flexible.

Motion controller

Reduce the burden on your controller: the most important pulse evaluation functions are already integrated in the encoder.



Incremental encoders

The resolution between 2 and 10,000 pulses per revolution can be freely set.



Counters

The switching output switches after a freely adjustable number of pulses.



Monitoring rotational speed / direction of rotation

The outputs switch when the current value is above or below a set rotational speed.



(12-bit) is reached. Signals are transmitted almost in real time.



Design	Housing Ø [mm]	Shaft Ø [mm]	Design shaft	Flange	Wiring	Order no.
PerformanceLine 4-digit display, integrated pulse evaluation	58	12	hollow shaft	direct	M12	ROP520
	58	6	solid shaft	servo	M12	RUP500
	58	10	solid shaft	clamp flange	M12	RVP510
BasicLine Basic design without display	36.5	6	hollow shaft	direct	M12	RA3100
	36.5	6	hollow shaft	direct	cable, 2 m	RA3500
	58	12	hollow shaft	direct	M12	RO3100
	58	12	hollow shaft	direct	cable, 2 m	RO3500
	36.5	6	solid shaft	universal	M12	RB3100
	36.5	6	solid shaft	universal	cable, 2 m	RB3500
	58	6	solid shaft	servo	M12	RU3100
	58	6	solid shaft	servo	cable, 2 m	RU3500
	58	10	solid shaft	clamp flange	M12	RV3100
	58	10	solid shaft	clamp flange	cable, 2 m	RV3500

For more information, such as technical data, application videos or prices please go to

www.ifm.com/gb/encoder





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