

Intelligent incremental encoder with display and IO-Link



Motion controller: Encoder, speed / direction monitor and counter all in one

- Resolution of 2...10,000 and signal level (TTL / HTL) freely programmable
- Display: Two-colour electronic rotatable display of the process values
- Versatile: M12 connector can be used radially or axially
- Standard fitting: Solid shaft (clamp / synchro flange) or hollow shaft design
- Transmission of process and diagnostic data via IO-Link



No compromises

The magnetic sensing principle provides the accuracy of photoelectric encoders and the robustness of magnetic systems.

Simple

Resolution and signal level can be programmed. The encoders have a wide voltage range of 4.5...30 V DC and are therefore suited for universal use.

Multifunctional

Performance Line encoders have an integrated signal evaluation for speed monitoring, counter functions and detection of the direction of rotation.

Intuitive

The encoders provide easy setting, position indication by means of display and operating keys and intuitive menu navigation.






Networked

Diagnostic and parameter data are reliably transferred via IO-Link. Ready for Industry 4.0.



Housing Ø [mm]	Shaft Ø [mm]	Flange	Resolution [pulse/revolution]	Operating voltage [V DC]	IO-Link	Order no.
Hollow shaft with integrated stator coupling · 4-digit display · Integrated pulse evaluation						
58	12	direct	max. 10,000 (adjustable)	4.5...30	•	ROP520
Solid shaft · 4-digit display · Integrated pulse evaluation						
58	6	servo	max. 10,000 (adjustable)	4.5...30	•	RUP500
58	10	clamp flange	max. 10,000 (adjustable)	4.5...30	•	RVP510





Accessories

Type	Description	Order no.
	Spring disc coupling, Ø 6 mm / 10 mm, die-cast zinc; PA	E60117
	Spring disc coupling, Ø 10 mm / 10 mm, die-cast zinc; PA	E60118
	Fastening clamp for synchro flange, steel	E60041
	Flexible coupling with clamp connection, Ø 6 mm / 10 mm, aluminium	E60066
	Flexible coupling with clamp connection, Ø 10 mm / 10 mm, aluminium	E60067
	Flexible coupling with adjusting screws, Ø 10 mm / 10 mm, aluminium	E60022
	Flexible coupling with adjusting screws, Ø 6 mm / 10 mm, aluminium	E60028
	Measuring wheel, Ø 159.15 mm / 10 mm, Hytrel TPE-E	E60110
	Measuring wheel, Ø 159.16 mm / 10 mm, aluminium, PU	E60076
	Measuring wheel, Ø 63.66 ± 0.1 mm / 10 mm, Hytrel TPE-E	E60138
	Measuring wheel, Ø 63.6 mm, 10 mm, aluminium	E60095
	Measuring wheel, Ø 63.66 ± 0.1 mm / 6 mm, aluminium	E60137
	Measuring wheel, Ø 63.6 mm, 6 mm, aluminium	E60006
	Angle bracket for RUP design, aluminium, black anodised	E60033
	Angle bracket for RUP design, aluminium, black anodised	E60035


Further technical data

Switching frequency	[kHz]	300
Protection		IP 65, IP 67
Connection		M12 connector (rotatable)

Accessories

Type	Description	Order no.
	USB IO-Link master for parameter setting and analysis of units Supported communication protocols: IO-Link (4.8, 38.4 and 230 Kbits/s)	E30390
	Adapter cable for the connection between USB IO-Link master E30390 and 4-pole / 8-pole encoder	E12432
	LINERECORDER SENSOR, Software for parameter setting and set-up of IO-Link sensors	QA0001
	Memory plug, parameter memory for IO-Link sensors	E30398

Connection technology

Type	Description	Order no.
	M12 socket, shielded, 2 m black, PUR cable, 8 poles	E12402
	M12 socket, shielded, 5 m black, PUR cable, 8 poles	E12403
	M12 socket, shielded, 10 m black, PUR cable, 8 poles	E12404