

Hollow Shaft



- Hollow shaft (not through going, hub shaft) with 10 or 12 mm shaft
- safe mounting via clamping ring
- short built in dimensions
- short mounting time
- additional mounting ring washer as accessory

VARIANTS

The hollow shaft encoder is available as follows:

- Singleturn up to 14 bit
- Multiturn up to 26 bit
- Connections: cable radial, connector radial, connector 2 fold radial (only with field bus interface)
- Interface: parallel, SSI, Interbus, CAN, CAN open, Profibus DP

TECHNICAL DATA
mechanical

Mounting	Synchro flange with clamping shaft (not through going)
Shaft diameter	10 or 12 mm-hollow shaft ¹⁾ required tolerance of mounting shaft: g8
Speed	max. 6000 RPM
Torque	≤ 1 Ncm
Moment of inertia	approx. 35 gcm ²
Protection class (EN 60529)	housing IP 65, bearings IP 64
Operating temperature	-25 ... +85 °C (Interbus -10 ... +60 °C)
Storage temperature	-25 ... +85 °C
Vibration proof (IEC 68-2-6)	100 m/s ² (10 ... 500 Hz)
Shock resistance (IEC 68-2-27)	1000 m/s ² (6 ms)
Type of connection radial	1,5 m cable ²⁾ or connector
Housing	aluminium
Weight	Singleturn: RA 58-S 300 g approx. Multiturn: RA 58-M 350 g approx.

¹⁾ 8 mm hollow shaft on request

²⁾ Other cable length on request

DIMENSIONED DRAWINGS

see section "Absolute Encoders – dimensioned drawings"

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TECHNICAL DATA electrical

The electrical data depends on the type of interface. Please refer to the specific interface section in this catalogue.

ORDERING DATA

Type ¹⁾	Supply voltage ¹⁾	Mounting	Protection	Shaft diameter ²⁾	Interface
S Singleturn	A 5 VDC	Synchro flange with	4 IP 64	2 10 mm	P Parallel
M Multiturn	E 10 ... 30 VDC	F clamping shaft		7 12 mm	S SSI
P Programmable					I INTERBUS
					C CAN
					O CANopen
					D Profibus DP

Resolution ¹⁾	Output ¹⁾	Code ¹⁾
0360 360 pulses (S)	K push pull	B Binary
0009 9 Bit (S)	T RS 485	G Gray
0720 720 pulses (S)	C CAN	
0010 10 Bit (S, P)		
3600 3600 pulses (S)		
0012 12 Bit (S, P)		
0013 13 Bit (S, P)		
0014 14 Bit (S, P)		
1212 24 Bit (M, P)		
1213 25 Bit (M, P)		
1214 26 Bit (M, P)		

Connection ¹⁾
B cable, radial
D connector 12pole radial clockwise
H connector 12pole radial counter clockwise
I connector 2-fold

¹⁾ Ordering code letter depends on type of interface. The possible combinations are listed in this catalogue. Please refer to the specific interface section.

²⁾ 8 mm on request