

Special features

- CANopen
- Contactless measuring principle
- Extremely rugged construction with stainless steel shaft and housing out of sea-water proof aluminum
- Long lifetime
- High resolution
- Available in various versions (see ordering specifications). Customized versions on request



Electrical data

Measuring range	360°
Interface	CAN High-Speed according to ISO/DIS 11898
Protocol	CANopen (DS 301 with encoder device profile DS 406)
Supply voltage	+9 ... +34 VDC (nominal +24 VDC)
Current consumption	50 mA at 24 V
Resolution	14 Bit
Repeat accuracy	≤ 0.3°
Linearity	≤ ±0.3°
Measurement lag	5 ... 10 ms (updating rate 5 ms)
Node ID	113 (factory preset), 1 ... 127 adjustable via object dictionary
Baudrate	250 kbps (factory preset), 20/50/100/125/250/500/800/1000 kbps adjustable via object dictionary
Bus termination resistor	none
Digital outputs (optional, on request)	max. 1.5 A; short-circuit proof 1 x high-side; 1 x low-side

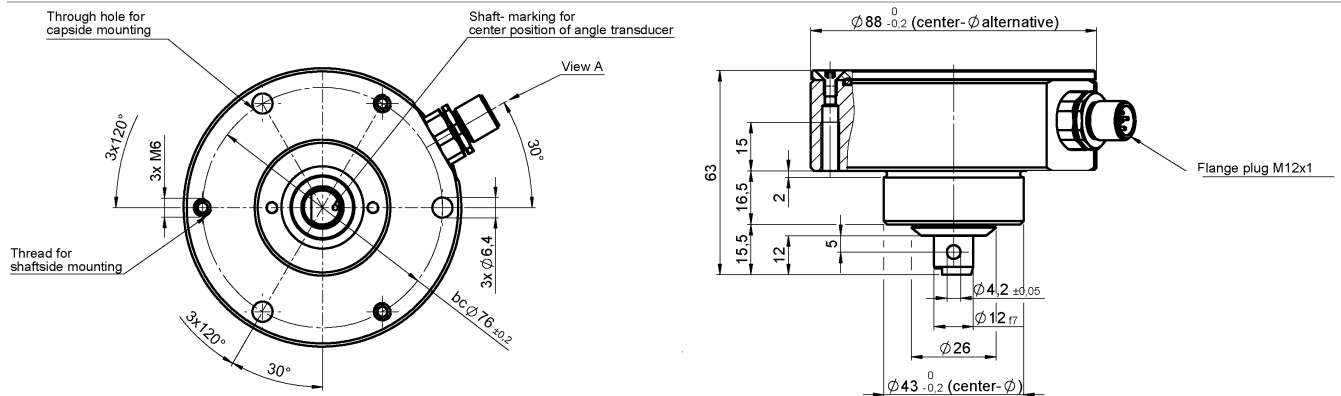
Environmental properties

Protection class (ISO 20653) housing/ connector area	IP6K8 (1m;12h) / IP6K7K
Protection class (ISO 20653) shaft inlet	IP6K6K / IP6K8 (1m;12h) / IP6K9K
Operating temperature range	-40 °C to +80 °C
Storage temperature range	-40 °C to +85 °C
Oscillation resistance	10 ... 150 Hz, A _{MAX} = 15 mm, a _{MAX} = 10 g
Bump resistance	50 g / 11 ms

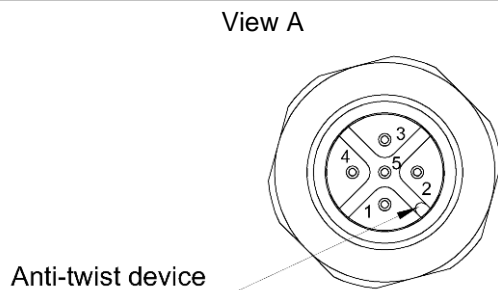


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Mechanical configuration (housing)				standard (Aluminum)				0						
Connector				5-pole M12x1 flange plug				M						
Cable length				without				00						
Cable type									without			A		
Customized programming									standard			0		
Signal output									one CANbus-node			C		
Customized versions												standard 0		
Levers				standard:		type:								
				without		-		0						
				155 mm / 7 x M8		414 304		1						
				110 mm / 4 x M8		414 318		3						

Dimensional drawing



Connector M12



pin	signal name
1	not connected
2	+U _b
3	GND
4	CAN-H
5	CAN-L

Levers

