



- Feedback encoder for servo & gearless motors
- 2048 PPR sine/cosine output
- Absolute track for rotor/stator position
- Hollow shaft design
- Pin compatible connector with market products



CB59

ENVIRONMENTAL SPECIFICATIONS

Shock:	250 g, 6 ms acc. to CEI EN 60068-2-27
Vibrations:	10 g, 5-2000 Hz acc. to CEI EN 60068-2-6
Protection:	IP40
Operating temperature range:	-20°C+100°C (-4°F +212°F)
Storage temperature range:	-40°C+100°C (-40°F +212°F) (98% R.H. without condensation)

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft diameter:	hollow, Ø 12.7, 15 mm
Shaft loading (axial, radial):	40 N max.
Shaft rotational speed:	12000 rpm max.
Starting torque at 20°C:	0,15 Ncm (typical)
Bearings life:	10 ⁹ rev. min.
Electrical connections:	PCB connector (connection cable to be ordered separately)
Weight:	~ 200 g (7 oz)

ELECTRICAL SPECIFICATIONS

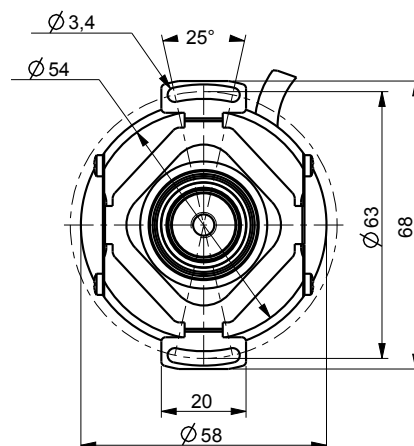
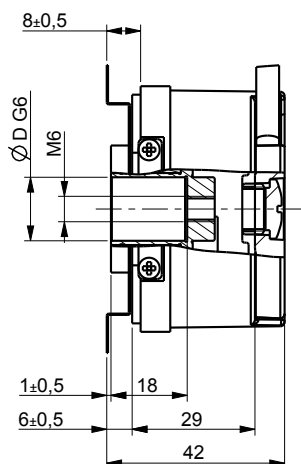
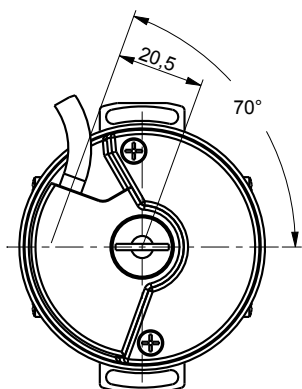
Resolution (PPR):	2048 + absolute CD-track
Counting frequency:	300 kHz max.
Output circuits:	1Vpp
Power supply:	+5V±5%
Consumption:	65 mA max.
Output current (each channel):	40 mA max.
EMC:	electro-magnetic immunity, according to: EN 61000-4-2 EN 61000-4-4

MATERIALS

Flange:	aluminium, anticorodal, UNI EN AW-6082
Housing:	zamak 15, UNI EN1774
Bearings:	ABEC 5
Shaft:	stainless steel, non-magnetic - UNI EN 4305

ACCESSORIES

EC-ASB/CB62-010:	Connection cable 1 m
EC-ASB/CB62-040:	Connection cable 4 m
EC-ASB/CB62-050:	Connection cable 5 m
EC-ASB/CB62-070:	Connection cable 7 m
EC-ASB/CB62-100:	Connection cable 10 m



CB59

Order code

CB59	-	X ⓐ	-	XXXX/X ⓑ	XX ⓒ	/Sxxx ⓓ
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ⓐ OUTPUT CIRCUIT V1 = 1 Vpp sine/cosine, +5V ±5%	ⓑ RESOLUTION (PPR) 2048/0 = 2048 PPR ABZ /ABZ 2048/1 = 2048 PPR ABZ /ABZ + Z track	ⓒ SHAFT DIAMETER P2 = 12,7 mm - 1/2" 15 = 15 mm	ⓓ CUSTOM VERSION
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Accessories order code

EC	-	ASB/CB62	-	X
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Document release	Date	Description
1.0	October 2023	New order code