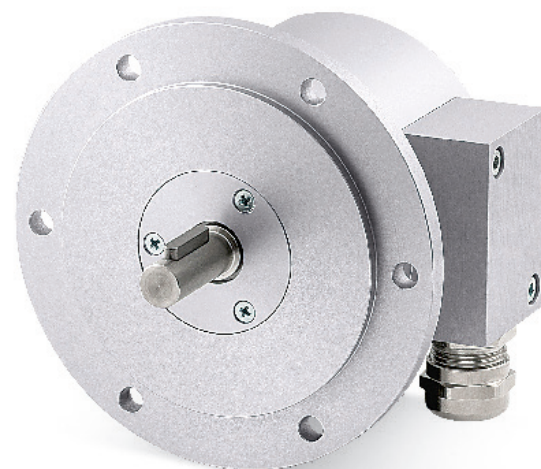


- Heavy-duty encoder for harsh environments
- "Tachogenerator" design, B10 Euro-flange
- Rotatable connection with screw terminals
- High shaft load
- Corrosion and salt mist resistant housing



I115

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:	IP66
Operating temperature range:	-40°C +100°C (-40°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:	Ø 11 mm
Shaft loading:	axial: 250 N radial: 350 N
Shaft rotational speed:	6000 rpm max.
Starting torque at 20°C:	1 Ncm (typical)
Bearings life:	400 x 10 ⁶ rev. min. (10 ⁹ rev. min. with 20 N shaft loading max.)
Weight:	~ 1 kg (35 oz)

ELECTRICAL SPECIFICATIONS

Resolution (PPR):	100-200-250-256-300-360-400-500-512-600-720-750-900-1000 1024-1200-1250-1440-1500-1800-2000-2048-2500-3000 3600-4000-4096-5000
Counting frequency:	100 kHz max.
Output circuits:	NPN, Push-Pull, Line Driver, Universal circuit
Power supply:	+5V ±5%, +10V +30V, +5V +30V
Consumption:	70 mA (typical)
Output current (each channel):	40 mA max.
Protection:	against inversion of polarity and short-circuit (except L circuit)
EMC:	electro-magnetic immunity, according to: EN 61000-4-2 EN 61000-4-4
Optoelectronic life:	100.000 hrs min.
Connections:	via terminal box, cable Ø 4 ÷ 10 mm

MATERIALS

Flange:	anticorodal, UNI EN AW-6082, anodized
Housing:	anticorodal, UNI EN AW-6082, anodized
Bearings:	ABEC 5
Shaft:	stainless steel, non-magnetic, UNI EN 4305
Light source:	GaAl diodes



ACCESSORIES

MOL-32C-11K-11K:	flex. coupling with electric ins.
MSTS-32K-11-11:	stainless steel coupling
MDW-25C-11K-11K:	disk coupling



Order code

I115	-	XX (a)	-	XXXXX (b)	-	XXX (c)	-	XX (d)	-	X (e)	X (f)	-	X (g)	/Sxxx (h)
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a) OUTPUT CIRCUITS / POWER SUPPLY N2 = NPN o.c., +10V ÷ +30V Y2 = Push-Pull, +10V ÷ +30V L1 = Line Driver (RS422), +5V ± 5% L2 = Line Driver (RS422), +10V ÷ +30V H4 = PP/LD universal circuit, +5V ÷ +30V	c) OUTPUT SIGNAL / CONNECTION ZCT = ABO /ABO, terminal blocks d) SHAFT DIAMETER 11 = 11 mm e) PROTECTION Q = IP66	f) OPERATING TEMPERATURE K = -40°C +100°C (-40°F +212°F) g) CONNECTION POSITION R = radial h) CUSTOM VERSION
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Document release	Date	Description
1.0	April 2025	New order code