



### IQ58S-H-PROG-ZCW-4-10-R-L2

Universal encoder HTL / TTL with Ø10mm shaft

A,B,Z +invers, 2m radial cable



- Programmable incremental encoder
- Resolution from 1 to 16384 PPR
- Selectable Index length 90 or 180° el.
- Counting direction cw, ccw
- Push-Pull + Line Driver compatible output
- Programmable via USB cable



HIM 2603

#### 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:	IP65
Operating temperature range:	-25°C +85°C (-13°F +185°F)
Storage temperature range:	-40°C +100°C (-40°F +212°F) (98% R.H. without condensation)

#### MECHANICAL SPECIFICATIONS

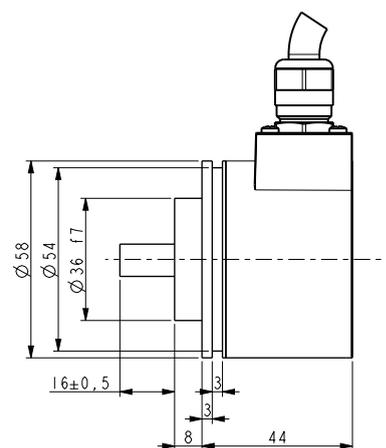
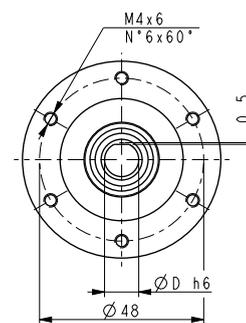
Dimensions:	see drawing
Shaft diameter:	Ø 6, 8, 9.52, 10, 12 mm
Hollow shaft diameter:	Ø 14, 15 mm
Reducing sleeves BR1-xx from Ø 15 to:	Ø 6, 8, 9.52, 10, 11, 12 mm
Shaft loading (axial, radial):	100 N max.
Shaft rotational speed:	typ. 6000 rpm / 12000 temporary
Starting torque at 20°C:	IQ58: 0,15 Ncm / IQ58S, CKQ: 0,4 Ncm (typical)
Bearings life:	400 x 10 <sup>6</sup> rev. min. (10 <sup>9</sup> rev. min. with 20 N shaft loading max.)
Electrical connections:	M12, M23 plug or cable output 1 m (3.3 ft)
Weight:	~ 200 g (7 oz)
Option:	• additional cable

#### ELECTRICAL SPECIFICATIONS

Resolution (PPR):	programmable from 1 to 16384
Accuracy:	± 0,15°
Counting frequency:	500 kHz max.
Output circuits:	Universal output (PP+LD compatible)
Power supply:	+5V +30V
Consumption:	60 mA (typical)
Output current (each channel):	40 mA max.
Protection:	against inversion of polarity and short cut
EMC:	electro-magnetic immunity, EN 61000-4-2 EN 61000-4-4

#### MATERIALS

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



#### ACCESSORIES

IP/IQ58:	USB programming
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Specifications subject to changes without prior notice