

# ROTAPULS

Incremental encoder

Series

I58R



- Incremental encoder for elevators
- REO compatible flange
- 1024 PPR, AB /AB output
- cable length on request
- low-cost version



I58R

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

## MECHANICAL SPECIFICATIONS

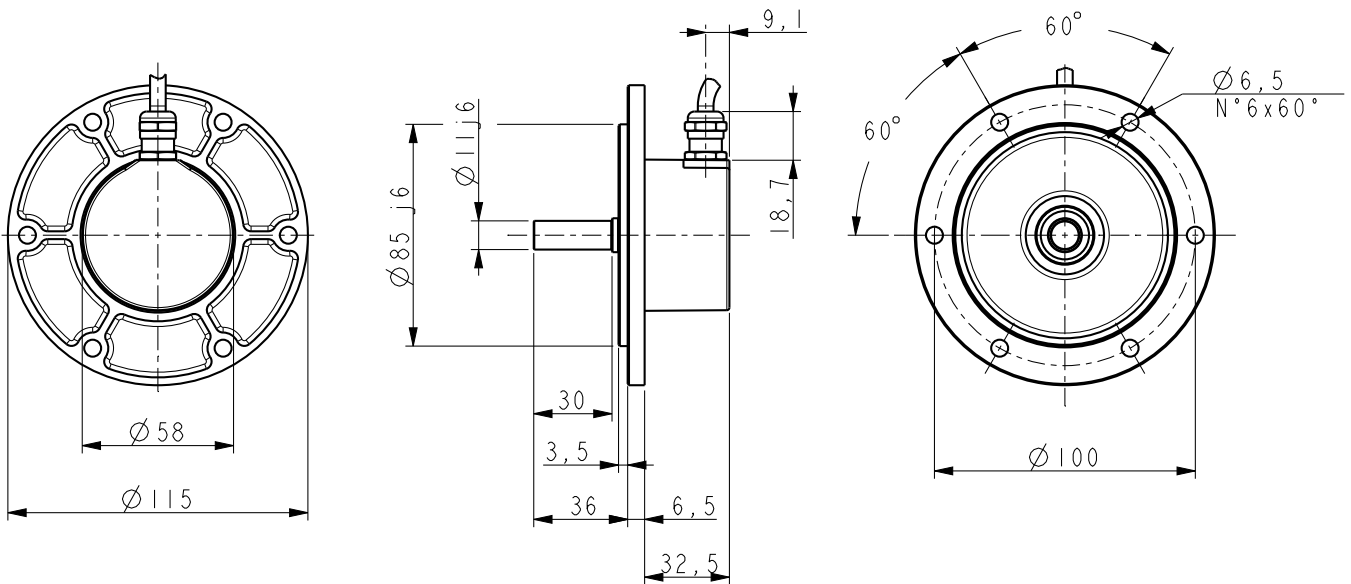
Dimensions:	see drawing
Shaft diameter:	Ø 11 j6 mm
Shaft loading (axial, radial):	50 N max.
Shaft rotational speed:	6000 rpm max.
Bearings life:	400 x 10 <sup>6</sup> rev. min. (10 <sup>9</sup> rev. min. with 20 N shaft loading max.)
Electrical connections:	cable output 5,7 or 10 m (other length on request)
Weight:	~ 700 g (24 oz)
Options:	• additional cable

## ELECTRICAL SPECIFICATIONS

Resolution (PPR):	1024
Phase shift:	90° ± 15° (electrical)
Counting frequency:	100 kHz max.
Output circuits:	Push-Pull, iC-DL
Power supply:	+7Vdc +30Vdc
Consumption:	70 mA (typical)
Output current (each channel):	200 mA @24Vdc max.
Protection:	against inversion of polarity and short-circuit (power supply connected correctly)
EMC:	electro-magnetic immunity, according to: EN 61000-4-2 EN 61000-4-4

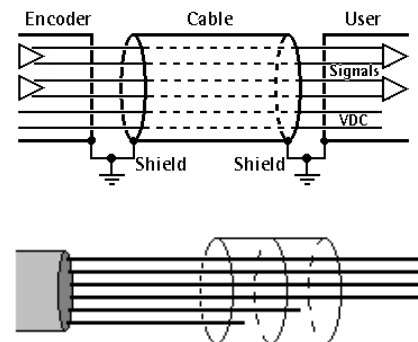
## MATERIALS

Flange:	die cast aluminium
Housing:	die cast zamac
Bearings:	ABEC 5
Shaft:	stainless steel, non-magnetic - UNI EN 4305



I58R

Electrical connections	
Signal	18 type cable
A	Yellow
/A	Blue
B	Green
/B	Orange
+Vdc	Red
0Vdc	Black
Shield	Shield



Wires not used must be cut at different lengths and insulated singularly

Order code

I58R	-	X	-	1024	XXX	X	XX	X	XXX
		Ⓐ		Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ

Ⓐ OUTPUT CIRCUITS

Y = Push Pull

Ⓑ RESOLUTION (PPR)

1024

Ⓒ OUTPUT SIGNALS / CONNECTIONS

BCU = AB /AB, cable output

Ⓓ SUPPLY VOLTAGE

2 = +7Vdc +30Vdc

Ⓔ SHAFT DIAMETER

11 = 11 mm

Ⓕ CONNECTION POSITION

R = radial

Ⓖ CABLE LENGTH

L5 = cable output 5 m

L7 = cable output 7 m

L10 = cable output 10 m

Lx = cable output x m