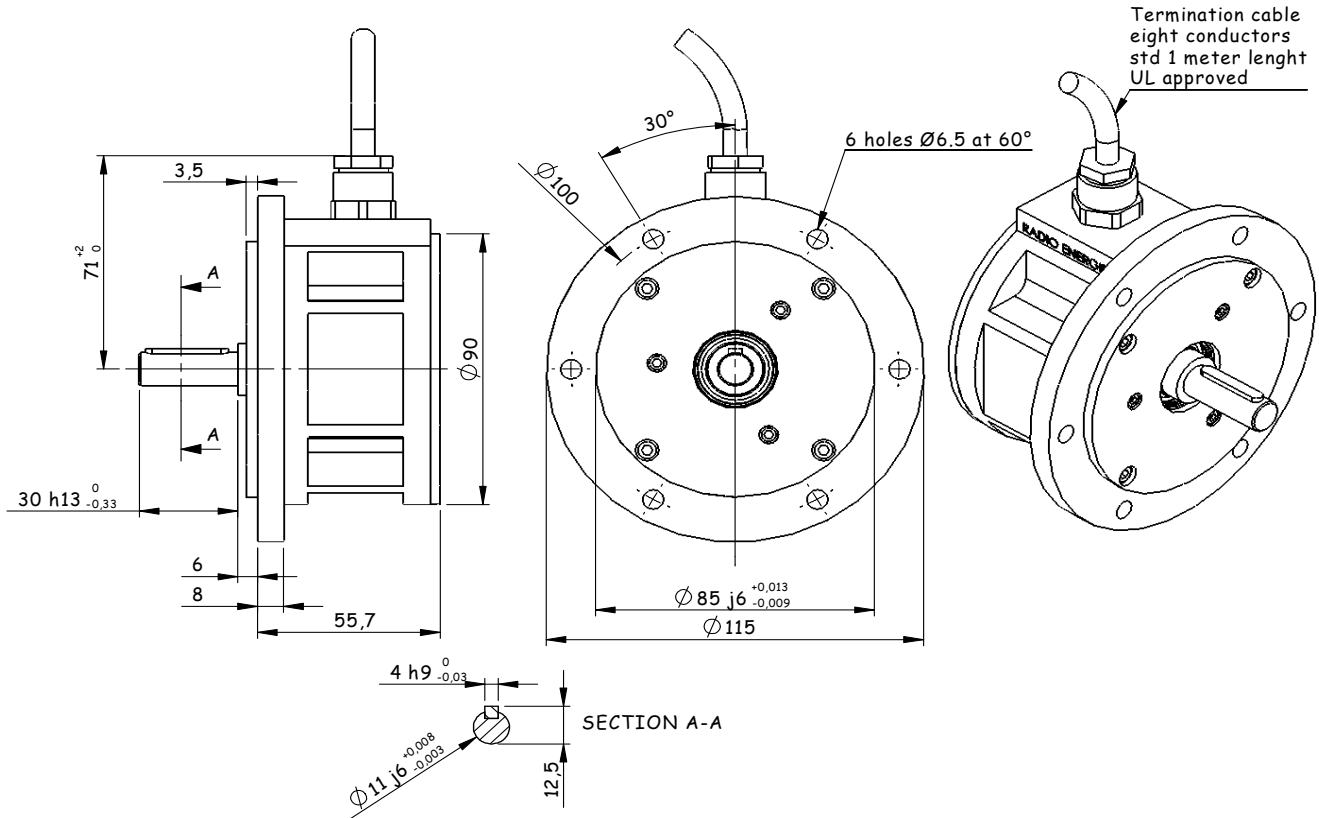


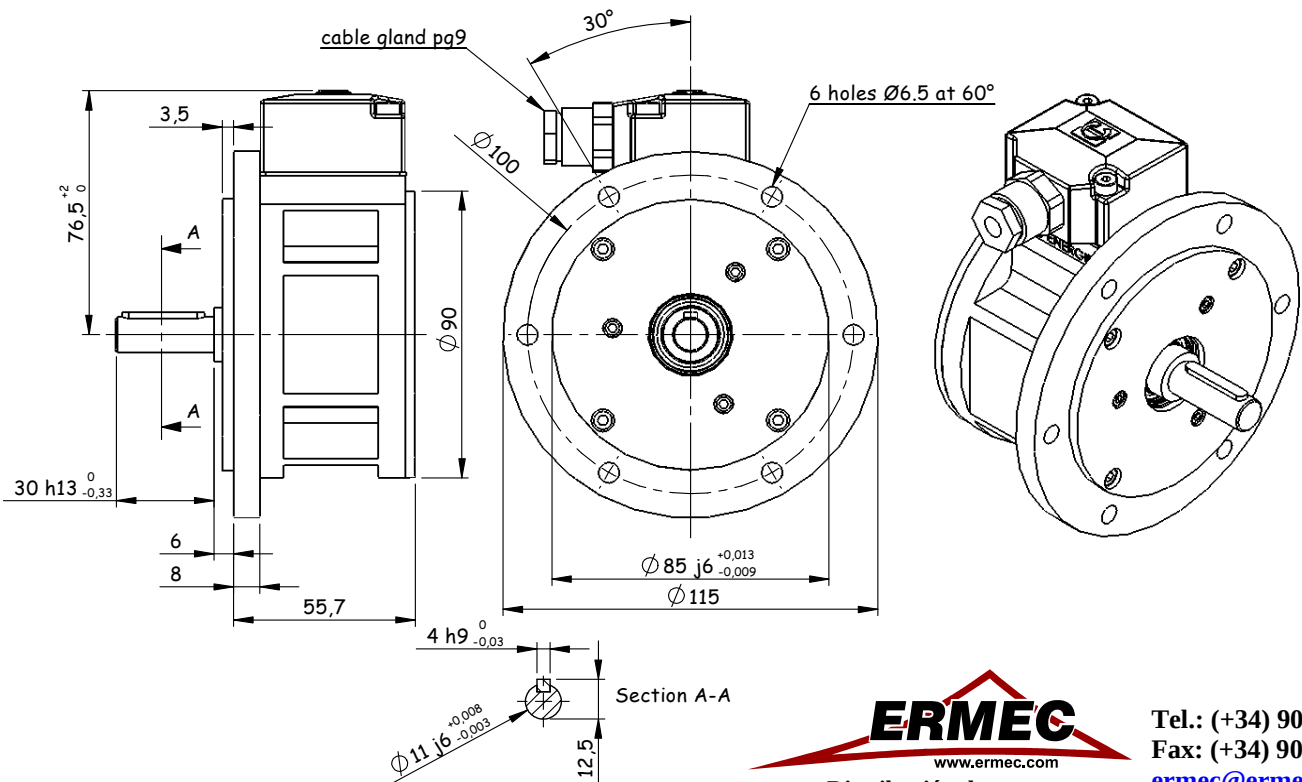
RCI444R FS

RE.0444 Flange – Incremental Optical Encoder

CABLE (CA01)



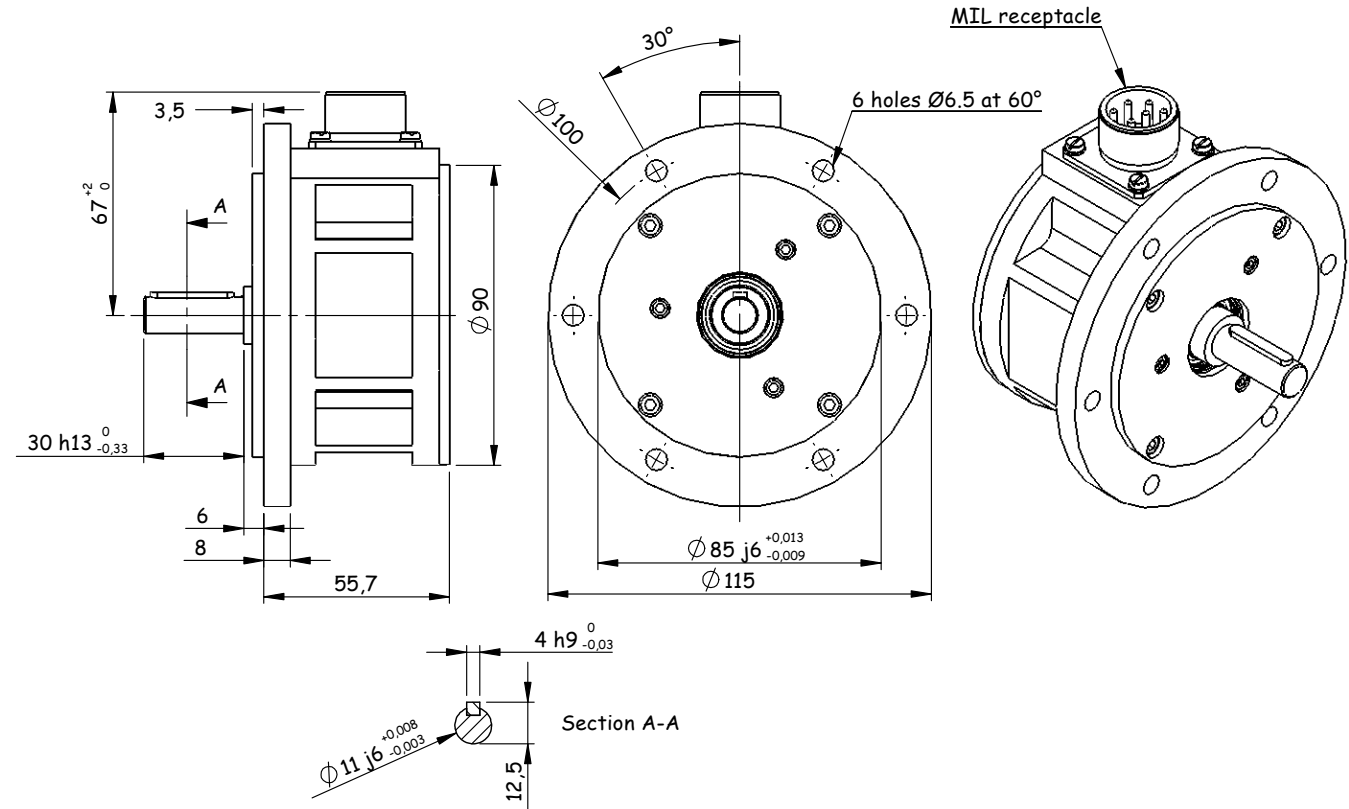
JUNCTION BOX (JBX1)



RCI444R FS

RE.0444 Flange – Incremental Optical Encoder

MS310 CONNECTOR (MILP)



Electrical characteristics

- Supply voltage: 4,5 to 30 Vdc
- Output signals: Universal complementary push-pull (short circuit protected, 7272)
RS422 compatible with 5 V supply voltage
- Max output frequency: 300 kHz
- Max load current: 20 mA max per channel
- EMC: According to EN 61000-6-2 and EN 61000-6-4

Connections

	Cable UL - 8 wires	M23 – CW	MS310	Junction box	Output waveforms
A	white	5	A	3	Seen from the shaft
A /	yellow	6	H	6	
B	blue	8	B	4	
B /	orange	1	I	7	
Z	green	3	C	5	
Z /	brown	4	J	8	
Vcc (+)	red	12	D	2	
Gnd (-)	black	10	F	1	
Ground case	Drain	9	G		

RCI444R FS

RE.0444 Flange – Incremental Optical Encoder

Mechanical characteristics

- Max continuous speed 10 000 min⁻¹
- Starting torque ≤ 0.5 N.cm
- Shaft Inertia 70 gr.cm²
- Weight 700 gr
- Protection IP 65 (IEC 60529) and IP64 at shaft end
- Max shock 30 g, 11 ms (IEC 68-2-27)
- Max vibrations 10 g, 10-2000 Hz (IEC 68-2-6)

Ordering code

RCI444R-FS11-4-1024-23C1

Ø Resolution Connection

- **RCI 444R** **RADIO-ENERGIE Incremental encoder** dedicated to **Robust environments**
- **Shaft Diameters** **11** (11 mm) mostly used, **07** (7 mm) standard too
- **Electronics** **4** (Push-Pull), **3** (RS422)
- **Standard resolutions** **1024**, **2048** standard
Others resolutions upon request
- **Connections** **Connector M23**
23C1 : M23 connector, 12 pins clockwise (CW), channel A before B - standard
23C0 : M23 connector, 12 pins clockwise (CW), channel B before A
23A1 : M23 connector, 12 pins counter-clockwise (CCW), channel A before B
23A0 : M23 connector, 12 pins clockwise (CW), channel B before A
Junction Box
JBX1: Junction Box, channel A before B - standard
JBX0: Junction Box, channel B before A
Câble
CA01: cable one meter - standard
CA02: cable two meters **CA10**: cable ten meters (maximum length)
Connector MS310
MILP: MS310 connector, 10 pins
Other connections on request

- We reserve the right to modify technical characteristics in the interest of technological advance -



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