



- TTL output driver for cable length up to 550 m
- High resistance to shock and vibrations
- EURO flange B10 / solid shaft $\varnothing 11$ mm
- Large terminal box, turn by 180°

BMU10T-RYTN1T16KLK-Y

Technical data - electrical ratings

Voltage supply	9...30 VDC 5 VDC $\pm 5\%$
Consumption w/o load	≤ 100 mA
Pulses per revolution	1024
Phase shift	$90^\circ \pm 20^\circ$
Duty cycle	40...60 %
Reference signal	Zero pulse, width 90°
Sensing method	Optical
Output frequency	≤ 120 kHz ≤ 300 kHz (on request)
Output signals	K1, K2, K0 + inverted Error output (option EMS)
Output stages	HTL-P (power linedriver) TTL/RS422
Interference immunity	EN 61000-6-2
Emitted interference	EN 61000-6-3
Approval	CE UL approval / E217823

Technical data - mechanical design

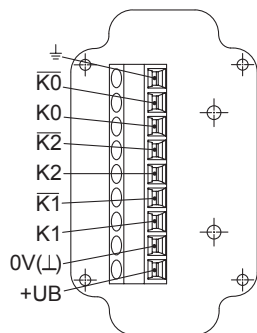
Flange	EURO flange B10
Protection EN 60529	IP 66
Operating speed	≤ 12000 rpm (mechanical)
Operating torque typ.	2 Ncm
Rotor moment of inertia	212 gcm^2
Material	Housing: aluminium die-cast Shaft: stainless steel
Operating temperature	$-40...+100^\circ\text{C}$ $-25...+100^\circ\text{C}$ (>3072 pulses) $-50...+100^\circ\text{C}$ (optional)

Shaft type	ø16 mm (blind hollow shaft)
Connection	Terminal box 2x terminal box (with option M)
Weight approx.	1.6 kg, 1.8 kg (with option M)

Terminal assignment

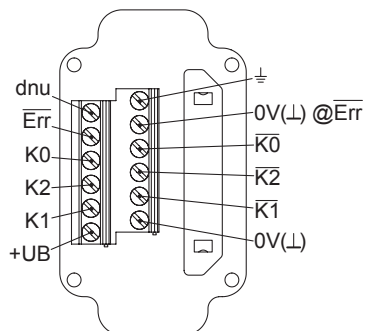
View A (see dimension)

Connecting terminal terminal box, radial



Option EMS: View A (see dimension)

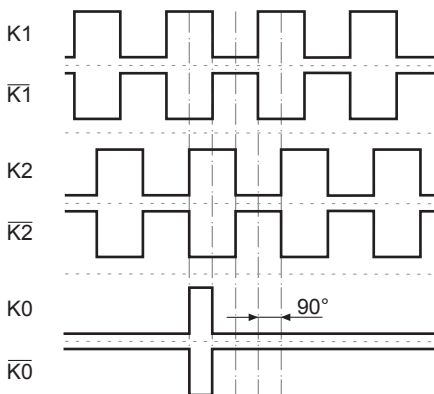
Connecting terminal terminal box, radial



Output signals

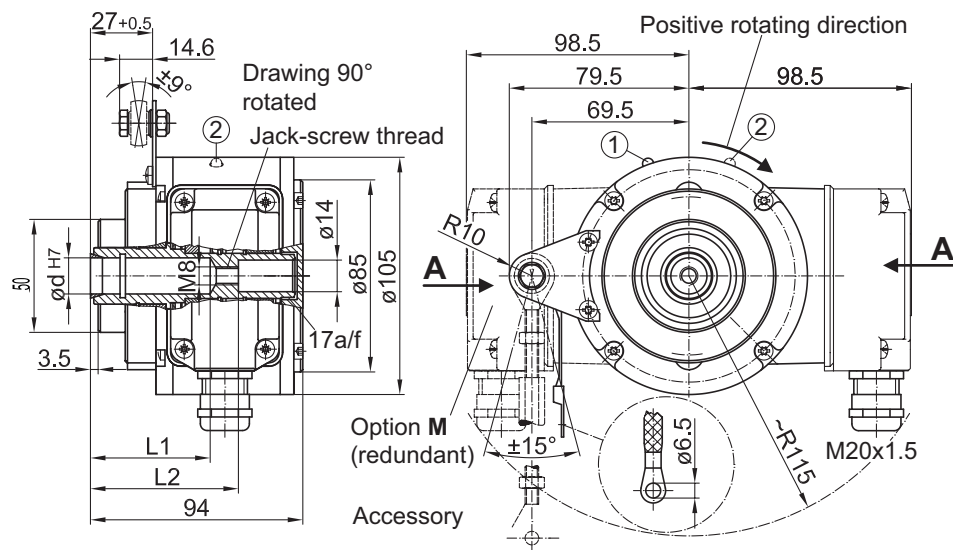
HTL/TTL

At positive rotating direction (see dimension)



Terminal significance

+UB	Voltage supply
0V (⊥)	Ground
⊥	Earth ground (housing)
K1	Output signal channel 1
K1̄	Output signal channel 1 inverted
K2	Output signal channel 2 (offset by 90° to channel 1)
K2̄	Output signal channel 2 inverted
K0	Zero pulse (reference signal)
K0̄	Zero pulse inverted
Err	Error output (option EMS)
dnu	Do not use



ød	L1	L2
12	53	65.5
16	53	65.5
20	35	50