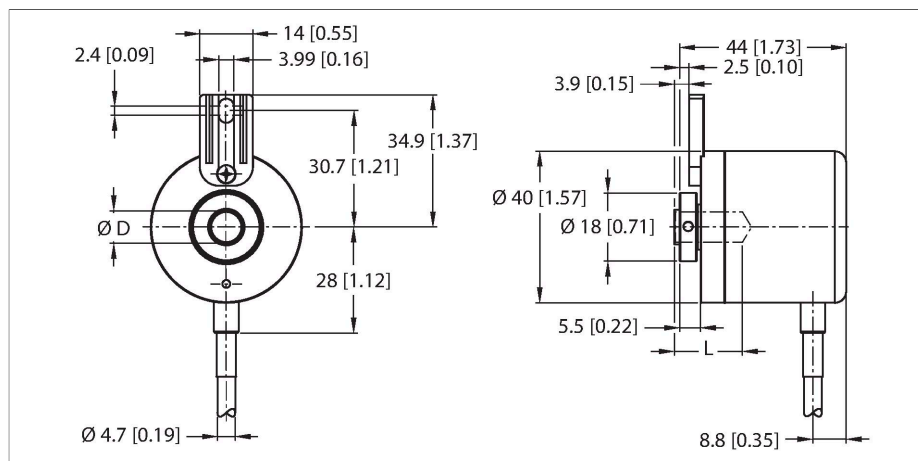


# REI-E-112IA0T-2B1024-C

## Incremental Encoder

### Efficiency Line



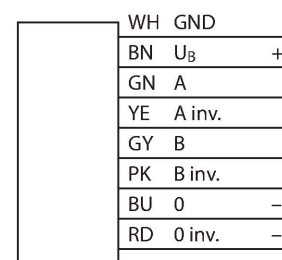
### Features

- Flange with mounting element, Ø 40 mm
- Blind hole hollow shaft, Ø 6.35mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP64 on housing and shaft side
- -20...+70 °C
- Max. 4500 rpm
- 10...30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 300 kHz
- Cable connection
- 1024 pulses per revolution

### Technical data

Type	REI-E-112IA0T-2B1024-C
ID	100012025
Measuring principle	Optical
<b>General data</b>	
Max. Rotational Speed	4500 rpm
Moment of inertia of the rotor	$0.2 \times 10^{-5} \text{ kgm}^2$
Starting torque	< 0.05 Nm
Output type	Incremental
Resolution, incremental	1024 ppr
<b>Electrical data</b>	
Operating voltage	10...30 VDC
No-load current	100 mA
Output current	≤ 30 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. $U_B - 1 \text{ V}$
Signal level low	max. 0.5 V
Output function	Push-Pull/HTL, invertible
<b>Mechanical data</b>	
Design	Hollow shaft
Flange type	Flange with mounting element
Flange diameter	Ø 40 mm
Shaft Type	Hollow shaft
Shaft diameter D [mm]	6.35

### Wiring diagram



## Technical data

Shaft Length L [mm]	18
Shaft material	Stainless steel
Housing material	Aluminium
Electrical connection	Cable
	radial
cable length	2 m
Axial shaft load	20 N
Radial shaft load	40 N
<b>Environmental conditions</b>	
Ambient temperature	-20...+70 °C
Vibration resistance (EN 60068-2-6)	100 m/s <sup>2</sup> , 55...2000 Hz
Shock resistance (EN 60068-2-27)	1000 m/s <sup>2</sup> , 6 ms
Protection class	IP64
Protection class shaft	IP64