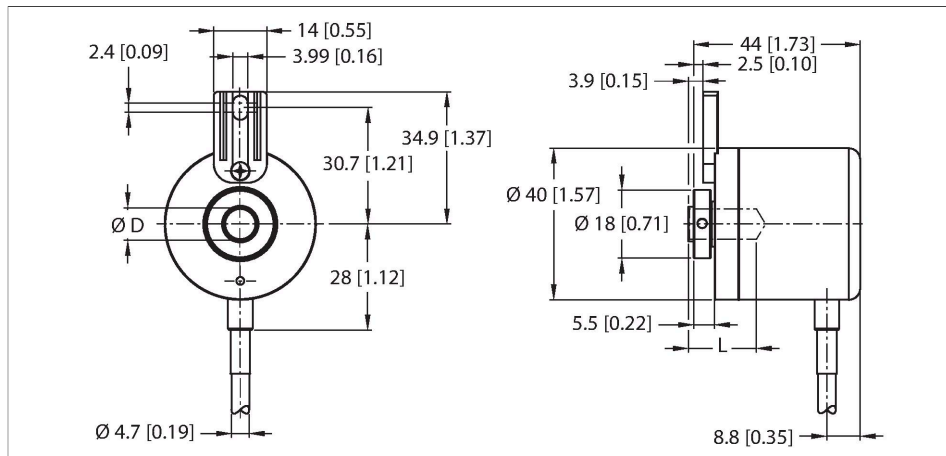


# REI-E-112IA0T-2B512-C

## Incremental Encoder

### Efficiency Line



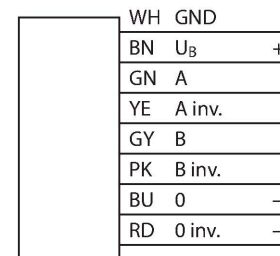
### Features

- 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
- Cable connection, 8-pole
- Push-pull, with inverted signals
- Pulse frequency max. 300 kHz
- 512 pulses per revolution

### Technical data

Type	REI-E-112IA0T-2B512-C
Ident. no.	100012022
Measuring principle	Optical
Max. Rotational Speed	4500 rpm
Moment of inertia of the rotor	0.2 x10 <sup>-6</sup> kgm <sup>2</sup>
Starting torque	< 0.05 Nm
Ambient temperature	-20...+70 °C
Operating voltage	10...30 VDC
No-load current	≤ 100 mA
Output current	≤ 30 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output type	Incremental
Resolution, incremental	512 ppr
Pulse frequency max.	300 kHz
Signal level high	min. U <sub>b</sub> - 1 V
Signal level low	max. 0.5 V
Output function	Push-Pull/HTL, with inverted signals
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

Wavelength 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
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