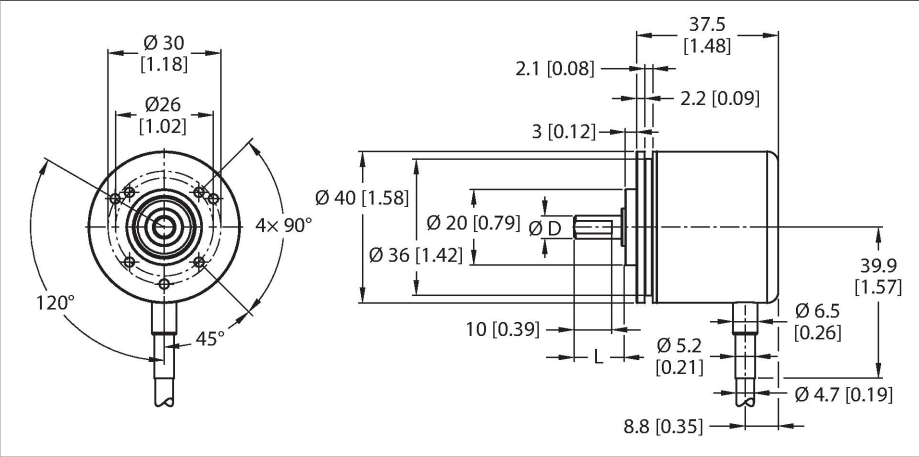


REI-E-111T8C-2B512-C

Incremental Encoder

Efficiency Line



Technical data

Type	REI-E-111T8C-2B512-C
ID	100011955
Measuring principle	Optical
General data	
Max. Rotational Speed	4500 rpm
Moment of inertia of the rotor	0.2 × 10 ⁻⁶ kgm ²
Starting torque	< 0.05 Nm
Output type	Incremental
Resolution incremental	512 ppr
Electrical data	
Operating voltage U _B	10...30 VDC
No-load current	≤ 100 mA
Output current	≤ 30 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. U _B - 1 V
Signal level low	max. 0.5 V
Output function	Push-Pull/HTL, invertable
Mechanical data	
Flange type	Synchro/clamping flange
Flange diameter	Ø 40 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	8
Shaft Length L [mm]	12.5
Shaft material	Stainless steel

Features

- Synchro/clamping flange, Ø 40 mm
- Solid shaft, Ø 8 mm × 12.5 mm
- 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
- 512 pulses per revolution

Wiring diagram

	WH	GND
	BN	U _B +
	GN	A
	YE	A inv.
	GY	B
	PK	B inv.
	BU	0
	RD	0 inv.

Technical data

Housing material	Aluminium
Electrical connection	Cable
	radial
cable length	2 m
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-20...+70 °C
Vibration resistance (EN 60068-2-6)	100 m/s², 55...2000 Hz
Shock resistance (EN 60068-2-27)	1000 m/s², 6 ms
Protection class	IP64
Protection class shaft	IP64

Accessories

RA-BC-20-06-08

100048778

2 mm
1.5 Nm

Bellocks coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 8 mm

RA-BC-20-08-08

100048780

2 mm
1.5 Nm

Bellocks coupling with aluminum hub
Ø 20 mm; d1 = 8 mm, d2 = 8 mm

RA-BC-20-08-10

100048781

2 mm
1.5 Nm

Bellocks coupling with aluminum hub
Ø 20 mm; d1 = 8 mm, d2 = 10 mm

RA-BC-20-08-12

100049106

2 mm
1.5 Nm

Bellocks coupling with aluminum hub
Ø 20 mm; d1 = 8 mm, d2 = 12 mm