

REI-E-111TA0C-2B512-C

Incremental Encoder

Efficiency Line



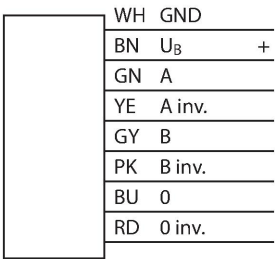
Technical data

Type	REI-E-111TA0C-2B512-C
ID	100011966
Measuring principle	Optical
General data	
Max. rotational speed	4500 rpm
Moment of inertia of the rotor	$0.2 \times 10^{-5} \text{ kgm}^2$
Starting torque	$< 0.05 \text{ Nm}$
Output type	Incremental
Resolution incremental	512 ppr
Electrical data	
Operating voltage U_B	10...30 VDC
No-load current	$\leq 100 \text{ mA}$
Output current	$\leq 30 \text{ mA}$
Short-circuit protection	yes
Wire break/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, invertable
Mechanical data	
Flange type	Synchro/clamping flange
Flange diameter	$\varnothing 40 \text{ mm}$
Shaft Type	Solid shaft
Shaft diameter D (mm)	6.35
Shaft Length L [mm]	12.5
Shaft material	Stainless steel

Features

- Synchro/clamping flange, $\varnothing 40 \text{ mm}$
- Solid shaft, $\varnothing 6.35 \text{ mm} \times 12.5 \text{ mm}$
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP64 on housing and shaft side
- $-20 \dots +70 \text{ }^\circ\text{C}$
- Max. 4500 rpm
- 10...30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 300 kHz
- Cable connection
- 512 pulses per revolution

Wiring diagram



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/s ² , 55...2000 Hz
Shock resistance (EN 60068-2-27)	1000 m/s ² , 6 ms
Protection class	IP64
Protection class shaft	IP64