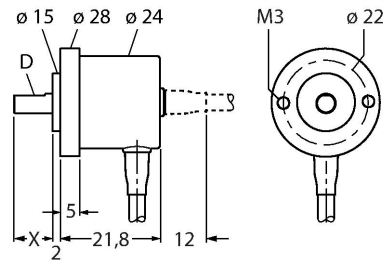


RI-01Q5F3-2D1000-CA

Incremental Encoder

Industrial Line



Features

- Synchro flange, Ø 28 mm
- Solid shaft, Ø 5 mm × 10 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP50 on shaft side
- -20...+85 °C
- Max. 12000 rpm
- 5...24 VDC
- Cable connection, 8-pin
- Push-pull 7272, with inversion
- Pulse frequency max. 160 kHz
- 1000 pulses per revolution

Technical data

Type	RI-01Q5F3-2D1000-CA
Ident. no.	1545370
Measuring principle	Photoelectric
Max. Rotational Speed	12000 rpm
Moment of inertia of the rotor	0.1 x10 ⁻⁶ kgm ²
Starting torque	< 0.01 Nm
Ambient temperature	-20...+85 °C
Operating voltage	5...24 VDC
No-load current	≤ 50 mA
Output current	≤ 50 mA
Short-circuit protection	yes
Output function	8-wire, Push-Pull/HTL, invertable
Output type	incremental
Resolution, incremental	1000 ppr
Pulse frequency max.	160 kHz
Signal level high	min. U _B - 2.5 V
Signal level low	max. 0.5 V
Design	Solid shaft
Flange type	Synchro flange
Flange diameter	Ø 28 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	5
Shaft length X	10 mm
Shaft material	Stainless steel
Housing material	Aluminium
Electrical connection	Cable

Technical data

	axial
cable length	2 m
Axial shaft load	20 N
Radial shaft load	10 N
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 housing	IP64
Protection class shaft	IP50

Signal	Gnd	+U _s	A	A inv.	B	B inv.	0	0 inv.	Shield
Core color	WH	BN	GN	YE	GY	PK	BU	RD	-