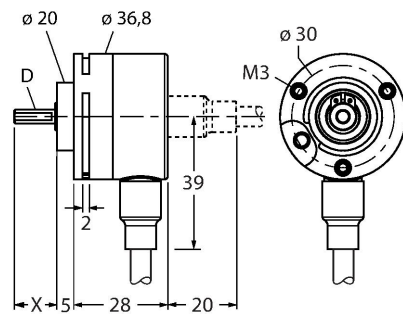


RI-08S6S-2F1024-C 1M

Incremental Encoder

Industrial Line



Features

- Synchro flange, Ø 36.8 mm
- Solid shaft, Ø 6 mm × 12.5 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP65 on shaft side
- -20 ... +70 °C (supply voltage > 15 VDC: max. +55 °C)
- Max. 6000 rpm
- 5...30 VDC
- Cable connection, 8-pin
- Push-pull, with inversion
- Pulse frequency max. 250 kHz
- 1024 pulses per revolution

Technical data

Type	RI-08S6S-2F1024-C 1M
Ident. no.	1544062
Measuring principle	Photoelectric
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	0.4 x10 ⁻⁶ kgm ²
Starting torque	< 0.007 Nm
Ambient temperature	-20...+70 °C
Operating voltage	5...30 VDC
No-load current	≤ 100 mA
Output current	≤ 20 mA
Short-circuit protection	yes
Output function	8-wire, Push-Pull/HTL, invertable
Output type	incremental
Resolution, incremental	1024 ppr
Pulse frequency max.	250 kHz
Signal level high	min. U _B - 2 V
Signal level low	max. 0.5 V
Design	Solid shaft
Flange type	without fixing clamp
Flange diameter	Ø 36.8 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	6
Shaft length X	12.5 mm
Shaft material	Stainless steel
Housing material	Plastic
Electrical connection	Cable

Wiring diagram

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

Technical data

	radial
cable length	1 m
Axial shaft load	10 N
Radial shaft load	20 N
Vibration resistance (EN 60068-2-6)	100 m/s ² , 10...2000 Hz
Shock resistance (EN 60068-2-27)	1000 m/s ² , 6 ms
Protection class housing	IP67
Protection class shaft	IP65

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