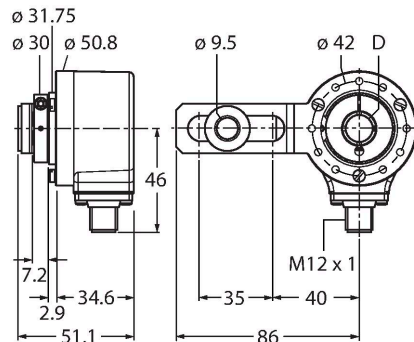


RI-12HA4S1-2K1000-H1181

Incremental Encoder

Industrial Line



Features

- Flange with tether arm for 40-75mm mounting diameters
- Hollow shaft, Ø 5/8"
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP67 on housing and shaft side
- -40...+85 °C
- Max. 6000 rpm (continuous operation 3000 rpm)
- 5...30 VDC
- Male connector, M12 x 1 , 8-pole
- Push-pull, with inverted signals
- Pulse frequency max. 300 kHz
- 1000 pulses per revolution

Technical data

Type	RI-12HA4S1-2K1000-H1181
Ident. no.	1545767
Measuring principle	Optical
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	6 x10 ⁻⁶ kgm ²
Starting torque	< 0.05 Nm
Ambient temperature	-40...+85 °C
Operating voltage	5...30 VDC
No-load current	≤ 100 mA
Output current	≤ 20 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	no
Output type	Incremental
Resolution, incremental	1000 ppr
Pulse frequency max.	300 kHz
Signal level high	min. U _s - 2 V
Signal level low	max. 0.5 V
Output function	Push-Pull 7272, with inverted signals
Design	Hollow shaft
Flange type	Flange with mounting element
Shaft Type	Hollow shaft
Shaft material	Stainless steel
Housing material	Die-cast zinc

Technical data

Electrical connection	Connector, M12 × 1
	8-pin
Axial shaft load	40 N
Radial shaft load	80 N
Vibration resistance (EN 60068-2-6)	300 m/s ² , 10...2000 Hz
Shock resistance (EN 60068-2-27)	3000 m/s ² 6 ms
Protection class	IP67
Protection class shaft	IP67

Signal	Gnd	+U _B	A	A inv.	B	B inv.	0	0 inv.	Shield
Pin Assignment	1	2	3	4	5	6	7	8	PH

Accessories

