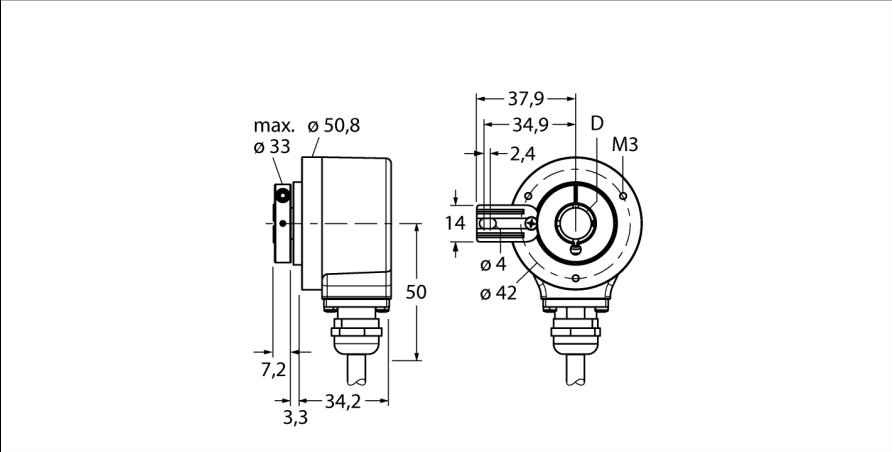


Incremental Encoder
Industrial Line
RI-12HA4T-2K2048-C1M



- Flange with torque stop, Ø 50.8mm
- 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
- Cable connection, 8-pole
- Push-pull, with inverted signals
- Pulse frequency max. 300 kHz
- 2048 pulses per revolution

Type	RI-12HA4T-2K2048-C1M
ID	1545404
Measuring principle	Optical
General data	
Max. rotational speed	6000 rpm
Moment of inertia of the rotor	6 × 10 ⁻⁶ kgm ²
Starting torque	< 0.05 Nm
Output type	Incremental
Resolution incremental	2048 ppr
Electrical data	
Operating voltage U _s	5...30 VDC
Output current	≤ 20 mA
Short-circuit protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. U _s - 2 V
Signal level low	max. 0.5 V
Mechanical data	
Flange type	Flange with mounting element
Flange diameter	Ø 50.8 mm
Shaft Type	Hollow shaft
Shaft diameter D	0.625 in
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Cable
	radial
cable length	1 m
Axial shaft load	40 N
Radial shaft load	80 N

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

Environmental conditions	
Ambient temperature	-40...+85 °C
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