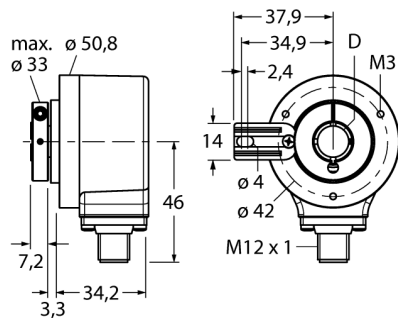


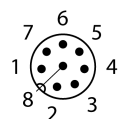
Incremental Encoder Industrial Line RI-12H15T-2B5000-H1181



Type	RI-12H15T-2B5000-H1181
ID	1545224
Measuring principle	Optical
General data	
Max. rotational speed	6000 rpm
Moment of inertia of the rotor	$6 \times 10^{-6} \text{ kgm}^2$
Starting torque	$< 0.05 \text{ Nm}$
Output type	Incremental
Resolution incremental	5000 ppr
Electrical data	
Operating voltage U_a	10...30 VDC
Output current	$\leq 30 \text{ mA}$
Short-circuit protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. $U_a - 1 \text{ V}$
Signal level low	max. 0.5 V
Mechanical data	
Flange type	Flange with mounting element
Flange diameter	$\varnothing 50.8 \text{ mm}$
Shaft Type	Hollow shaft
Shaft diameter D (mm)	15 mm
Shaft Length L [mm]	20 mm
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 x 1
	8-pin
Axial shaft load	40 N
Radial shaft load	80 N

- Flange with torque stop, $\varnothing 50.8 \text{ mm}$
- Hollow shaft, $\varnothing 15 \text{ mm}$
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP67 on housing and shaft side
- $-40 \dots +85 \text{ }^\circ\text{C}$
- Max. 6000 rpm (continuous operation 3000 rpm)
- 10...30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 300 kHz
- M12 x 1 male connector, 8-pin
- 5000 pulses per revolution

1	GND
2	U_a +
3	A
4	A inv.
5	B
6	B inv.
7	0
8	0 inv.
PH	shield



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