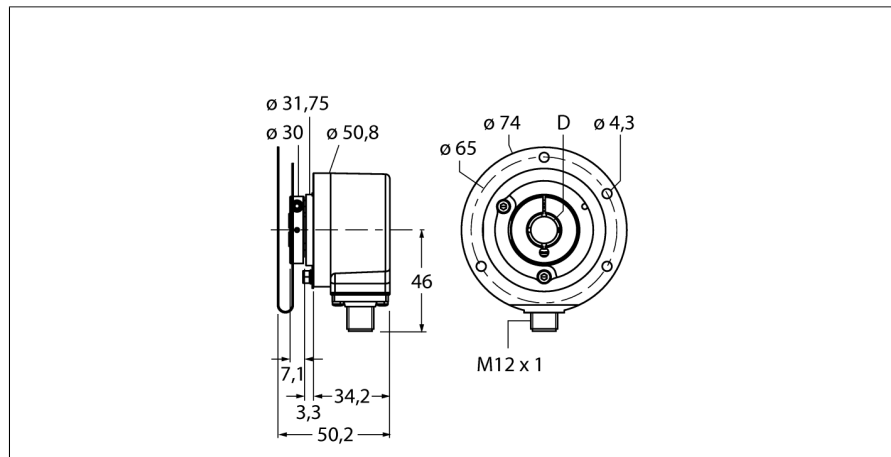


Incremental Encoder Industrial Line RI-12I15E1-2B10-H1181



- Flange with stator coupling, Ø 65 mm
- Hollow shaft, Ø 15 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP65 on shaft side
- -40...+85 °C
- Max. 12000 rpm (continuous operation 6000)
- 10...30 VDC
- Male connector, M12 x 1, 8-pole
- Push-pull, with inverted signals
- Pulse frequency max. 300 kHz
- 10 pulses per revolution

Type	RI-12I15E1-2B10-H1181
ID	1545558
Measuring principle	Optical
General data	
Max. rotational speed	12,000 rpm
Moment of inertia of the rotor	$6 \times 10^{-6} \text{ kgm}^2$
Starting torque	< 0.05 Nm
Output type	Incremental
Resolution incremental	10 ppr
Electrical data	
Operating voltage U_s	10...30 VDC
Output current	≤ 30 mA
Short-circuit protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. $U_s - 1 \text{ V}$
Signal level low	max. 0.5 V
Mechanical data	
Flange type	Flange with stator coupling
Flange diameter	Ø 65 mm
Shaft Type	Hollow shaft
Shaft diameter D (mm)	15 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
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	IP65

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

