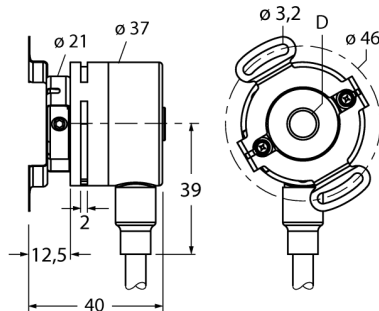


Incremental Encoder Industrial Line RI-09H8E-2F360-C



- Flange with stator coupling, Ø 36.8 mm
- Hollow shaft, Ø 8 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
- 360 pulses per revolution

Type	RI-09H8E-2F360-C
ID	1544107
Measuring principle	Optical
General data	
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	$1.4 \times 10^{-6} \text{ kgm}^2$
Starting torque	< 0.01 Nm
Output type	Incremental
Resolution, incremental	360 ppr
Electrical data	
Operating voltage	5...30 VDC
Output current	≤ 20 mA
Short-circuit protection	yes
Pulse frequency max.	250 kHz
Signal level high	min. $U_a - 2 \text{ V}$
Signal level low	max. 0.5 V
Output function	8-wire, Push-Pull/HTL, invertable
Mechanical data	
Design	Hollow shaft
Flange type	Flange with stator coupling
Flange diameter	Ø 46 mm
Shaft Type	Hollow shaft
Shaft diameter D [mm]	8 mm
Shaft material	Stainless steel
Housing material	Plastic
Electrical connection	Cable
	radial
cable length	2 m
Axial shaft load	10 N
Radial shaft load	20 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	-20...+70 °C
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

Accessories

Type code	Ident no.		Dimension drawing
RME-3	1544614	Stainless steel stator coupling for hollow shaft encoders, reference diameter 46 mm, for highly dynamic applications with axial and radial play	
RME-13	1544624	Plastic mounting element for hollow shaft encoders, pitch diameter 42 mm, for applications with limited axial play, low dynamics and limited mounting space	
RME-14	1544625	Plastic mounting element for hollow shaft encoders, pitch diameters 44 mm, 60 mm, 63 mm, 65 mm, for low dynamic applications with high axial play.	