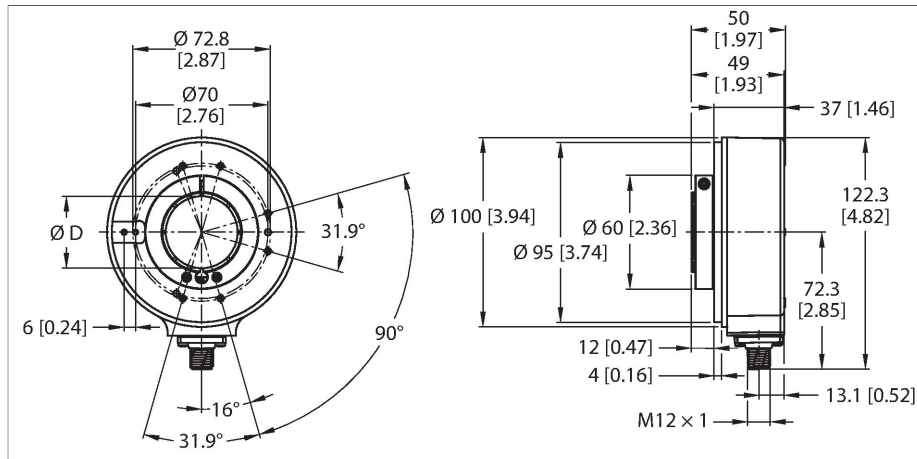


REI-43H42S-2B360-H1181

Incremental Encoder

Industrial Line



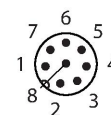
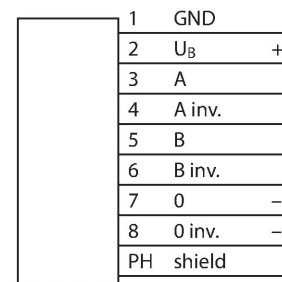
Features

- Flange without mounting element, Ø 100 mm
- Hollow shaft, Ø 42 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP65 on housing and shaft side
- -40 ... +80 °C
- Max. 6000 rpm (at 60 °C: 2500 rpm)
- 10...30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 300 kHz
- M12 × 1 male connector, 8-pin
- 360 pulses per revolution

Technical data

Type	REI-43H42S-2B360-H1181
ID	100011480
Measuring principle	Optical
General data	
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	220 × 10 ⁻⁶ kgm ²
Starting torque	< 0.2 Nm
Output type	Incremental
Resolution, incremental	360 ppr
Electrical data	
Operating voltage	10...30 VDC
No-load current	100 mA
Output current	≤ 30 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. U _B - 3 V
Signal level low	max. 2.5 V
Output function	Push-Pull/HTL, invertable
Mechanical data	
Design	Hollow shaft
Flange type	Flange without mounting element
Flange diameter	Ø 100 mm
Shaft Type	Hollow shaft
Shaft diameter D [mm]	42

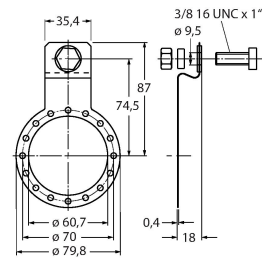
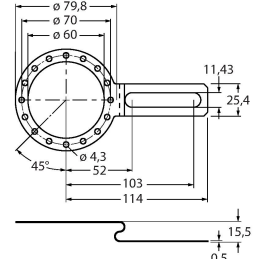
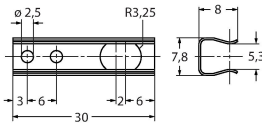
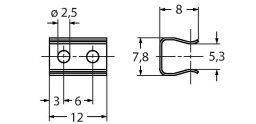
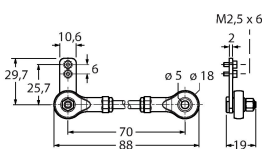
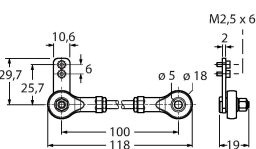
Wiring diagram



Technical data

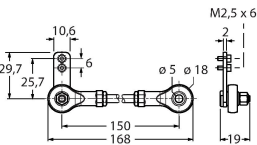
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	8-pin
Environmental conditions	
Ambient temperature	-40...+80 °C
Vibration resistance (EN 60068-2-6)	10 g (100 m/s²), 10...2000 Hz
Shock resistance (EN 60068-2-27)	200 g (2000 m/s²), 6 ms
Protection class	IP65
Protection class shaft	IP65

Accessories

RME-5	1544616	 Technical drawing of the RME-5 mounting panel. It shows a circular panel with a central hole and eight mounting holes. Dimensions include: outer diameter 79.8 mm, inner diameter 60.7 mm, mounting hole diameter 9.5 mm, and a 3/8 16 UNC x 1" thread for the mounting screw. The panel is 35.4 mm wide and 74.5 mm high.	Stainless steel mounting panel for hollow shaft encoders, reference diameter 149 mm, for applications with axial play
RME-6	1544617	 Technical drawing of the RME-6 mounting panel. It shows a circular panel with a central hole and eight mounting holes. Dimensions include: outer diameter 79.8 mm, inner diameter 60 mm, mounting hole diameter 9.5 mm, and a 45° chamfer. The panel is 114 mm wide and 11.43 mm high.	Stainless steel mounting panel for hollow shaft encoders, reference diameter 104...206 mm, for applications with fixing points on adjustable reference diameter
RME-10	1544621	 Technical drawing of the RME-10 mounting element. It shows a rectangular element with a central hole and two mounting holes. Dimensions include: outer diameter 2.5 mm, inner diameter 3 mm, mounting hole diameter 6 mm, and a 30 mm length.	Stainless steel mounting element for hollow shaft encoders, pitch diameter 110 mm, for applications with high axial play
RME-11	1544622	 Technical drawing of the RME-11 mounting element. It shows a rectangular element with a central hole and two mounting holes. Dimensions include: outer diameter 2.5 mm, inner diameter 3 mm, mounting hole diameter 6 mm, and a 12 mm length.	Stainless steel mounting element for hollow shaft encoders, pitch diameter 76 mm, for applications with limited mounting space
RME-15	1544626	 Technical drawing of the RME-15 metal arm bracket. It shows a bracket with a central hole and two mounting holes. Dimensions include: outer diameter 10.6 mm, inner diameter 5 mm, mounting hole diameter 18 mm, and a 70 mm length.	Metal arm bracket, for hollow shaft encoders, length 70 mm; for applications with little axial and radial play; flexibly adjustable
RME-16	1544627	 Technical drawing of the RME-16 metal arm bracket. It shows a bracket with a central hole and two mounting holes. Dimensions include: outer diameter 10.6 mm, inner diameter 5 mm, mounting hole diameter 18 mm, and a 100 mm length.	Metal arm bracket, for hollow shaft encoders, length 100 mm; for applications with little axial and radial play; flexibly adjustable

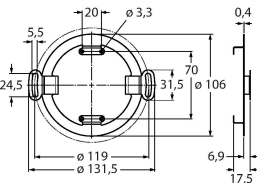
RME-171544628

Metal arm bracket, for hollow shaft encoders, length 150 mm; for applications with little axial and radial play; flexibly adjustable



RME-181544629

Stainless steel stator coupling for hollow shaft encoders, reference diameter 119 mm, for highly dynamic applications with axial and radial play



Accessories

Dimension drawing	Type	ID	
	RKC8T-2/TXL	6625142	Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval
	WKC8T-2/TXL	6625145	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval