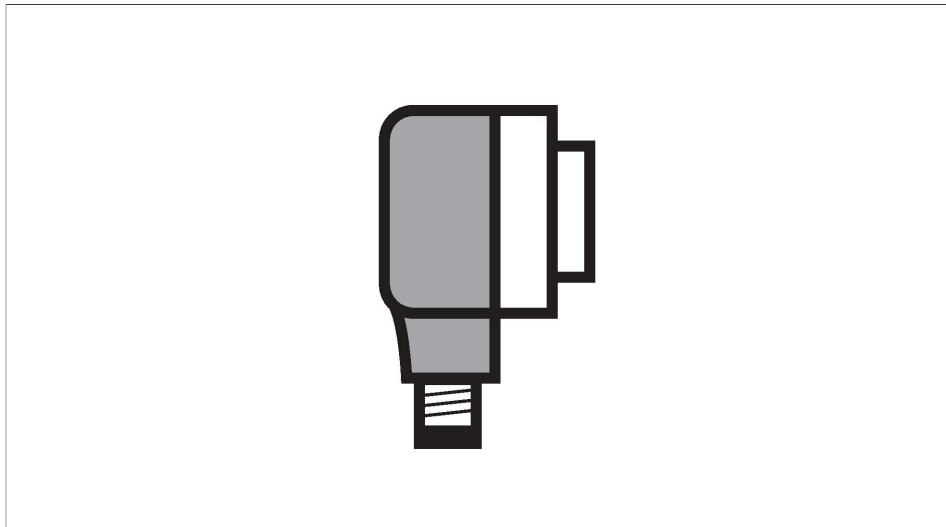


RI-43HA6E2-2F1024-H1181/N33/N42

Incremental Hollow Shaft Encoder

Industrial Line



Features

- Incremental Hollow Shaft Encoder
- Protection class IP65 on the shaft side
- -40 ... +80°C
- max. 6000 rev / min
- 5...30 VDC
- Male connector, M12 x 1 , 8-pole
- Push-pull, with inverted signals
- Pulse frequency max. 300 kHz
- 1024 pulses per revolution

Technical data

Type	RI-43HA6E2-2F1024-H1181/N33/N42
Ident. no.	1546488
Measuring principle	Optical
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	220 x10 ⁻⁶ kgm ²
Starting torque	< 0.2 Nm
Ambient temperature	-40...+80 °C
Operating voltage	5...30 VDC
No-load current	≤ 100 mA
Output current	≤ 20 mA
Short-circuit protection	yes
Output type	Incremental
Resolution, incremental	1024 ppr
Pulse frequency max.	300 kHz
Signal level high	min. U _b - 2 V
Signal level low	max. 0.5 V
Output function	8-wire, Push-Pull 7272, with inverted signals
Design	Hollow shaft
Flange type	Flange with mounting element
Flange diameter	Ø 100 mm
Shaft Type	Hollow shaft

Technical data

Shaft diameter D [mm]	25.4
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1 M12, 8-pin
Vibration resistance (EN 60068-2-6)	10 g (100 m/s ²), 10...2000 Hz
Shock resistance (EN 60068-2-27)	200 g (1000 m/s ²), 6 ms
Protection class	IP65
Protection class shaft	IP65

Signal	Gnd	+U _B	A	A inv.	B	B inv.	0	0 inv.	Shield
Pin configuration	1	2	3	4	5	6	7	8	PH

Accessories

RME-5 1544616

Stainless steel mounting panel for hollow shaft encoders, reference diameter 149 mm, for applications with axial play

RME-6 1544617

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

Stainless steel mounting element for hollow shaft encoders, pitch diameter 110 mm, for applications with high axial play

RME-11 1544622

Stainless steel mounting element for hollow shaft encoders, pitch diameter 76 mm, for applications with limited mounting space

RME-15 1544626

Metal arm bracket, for hollow shaft encoders, length 70 mm; for applications with little axial and radial play; flexibly adjustable

RME-16 1544627

Metal arm bracket, for hollow shaft encoders, length 100 mm; for applications with little axial and radial play; flexibly adjustable

RME-17 1544628

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

RME-18 1544629

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