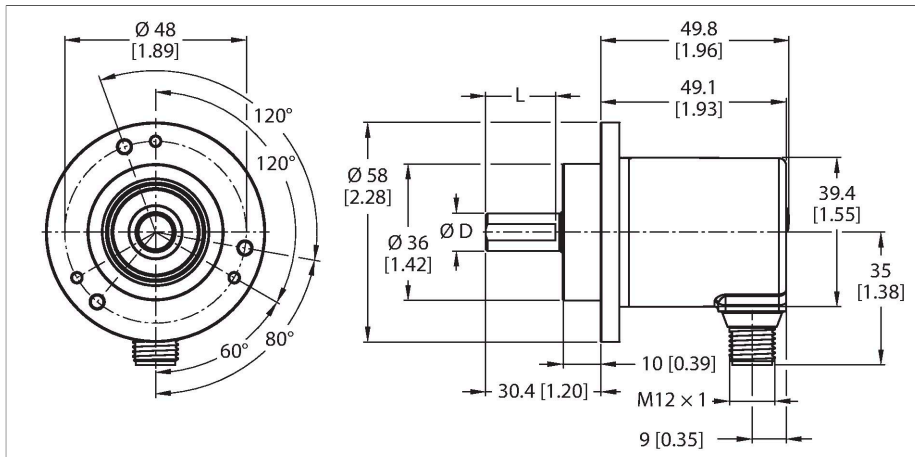


REM-E-121T6C-9F32B-H1151

Absolute Rotary Encoder - Multiturn

Efficiency Line



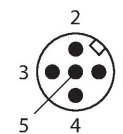
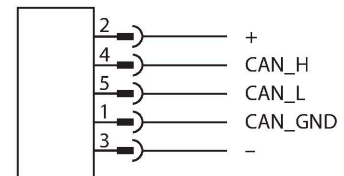
Features

- Clamping flange, Ø 58 mm
- Solid shaft, Ø 6 mm × 12.5 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP64 on housing and shaft side
- -20...+70 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- Energy harvesting technology
- 10...30 VDC
- SAE J1939
- M12 × 1 male connector, 5-pin
- Singleturn resolution 14 bit scalable, default 14 bit
- Multiturn resolution scalable up to 29 bit over total resolution, default 18 bit
- Total resolution 32 bit scalable, default: 32 bit

Technical data

Type	REM-E-121T6C-9F32B-H1151
ID	100023363
Measuring principle	Magnetic
General data	
Max. Rotational Speed	4000 rpm
Repetition accuracy	± 0.2 ° At 25 °C
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute multiturn
Electrical data	
Operating voltage	10...30 VDC
No-load current	80 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Communication protocol	SAE J1939
Interface	SAE J1939
Mechanical data	
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	6
Shaft Length L [mm]	12.5
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1

Wiring diagram



Technical data

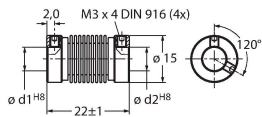
	M12, 5-pin
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-20...+70 °C
Vibration resistance (EN 60068-2-6)	30 g (300 m/s²), 10...2000 Hz
Shock resistance (EN 60068-2-27)	500 g (2500 m/s²), 4 ms
Protection class	IP64
Protection class shaft	IP64

Accessories

RCS-15-06-06

1545362

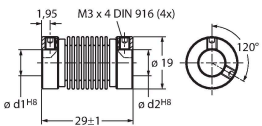
Bellows coupling, outer diameter:
15 mm, bore diameter: 6 mm/6 mm



RCS-19-06-06

1545360

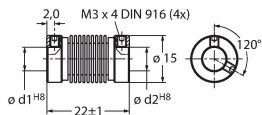
Bellows coupling, outer diameter:
19 mm, bore diameter: 6 mm/6 mm



RCS-15-08-06

1545361

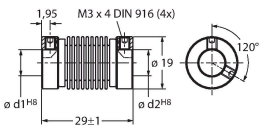
Bellows coupling, outer diameter:
15 mm, bore diameter: 8 mm/6 mm



RCS-19-10-06

1545358

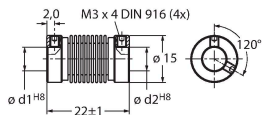
Bellows coupling, outer diameter:
19 mm, bore diameter: 10 mm/6 mm



RCS-15-06-04

1545363

Bellows coupling, outer diameter:
15 mm, bore diameter: 6 mm/4 mm



Accessories

Dimension drawing	Type	ID	
	RKC5701-5M	6931034	Bus cable for CAN (DeviceNet, - CANopen), M12 female connector, straight, cable length: 5 m, jacket material: PUR, anthracite; cULus approval