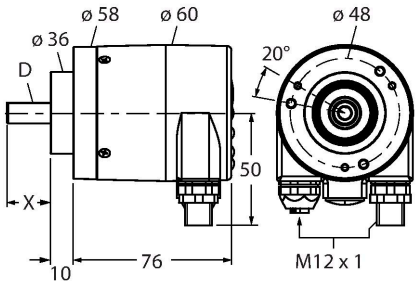
RM-29S10C-9A28B-R3M12
Absolute Rotary Encoder - Multiturn
Industrial Line



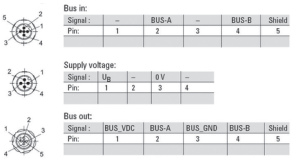
Features

- Clamping flange, Ø 58 mm
- Solid shaft, Ø 10 mm × 20 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP67 on shaft side
- -40…+80 °C
- Max. 3000 rpm
- Profibus
- Removable bus cover with male, 3 × M12
- Singleturn, resolution scalable to 16 bit (default 13-bit)
- Multiturn resolution max. 12 bit, scalable

Technical data

Type	RM-29S10C-9A28B-R3M12
Ident. no.	1544416
Measuring principle	Photoelectric
Max. Rotational Speed	3000 rpm
Moment of inertia of the rotor	4 x10^{-6} kgm^2
Starting torque	< 0.01 Nm
Ambient temperature	-40…+80 °C
Operating voltage	10…30 VDC
No-load current	≤ 120 mA
Wire breakage/Reverse polarity protection	yes
Communication protocol	PROFIBUS-DP
Output type	absolute multiturn
Resolution single-turn	16 Bit
Resolution multiturn	12 Bit
	single-turn scalable
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	10
Shaft length X	20 mm
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Bus connection
	3 x M12
Axial shaft load	40 N

Wiring diagram



Technical data

Radial shaft load	80 N
Vibration resistance (EN 60068-2-6)	100 m/s², 55…2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s², 6 ms
Protection class housing	IP67
Protection class shaft	IP67

Signal	**PB_A**	**PB_B**	**Shield**	**BUS_VDC**	**PB_A**	**BUS_GND**	**PB_B**	**Shield**	**-**
Signal -Pin	**BUS in 2**	**BUS in 4**	**BUS in 5**	**BUS out 1**	**BUS out 2**	**BUS out 3**	**BUS out 4**	**BUS out 5**	**-**
Power	**U_B**	**-**	**0V**	**-**	**-**	**-**	**-**	**-**	**-**
Power- Pin	**1**	**2**	**3**	**4**	**5**	**-**	**-**	**-**	**-**

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