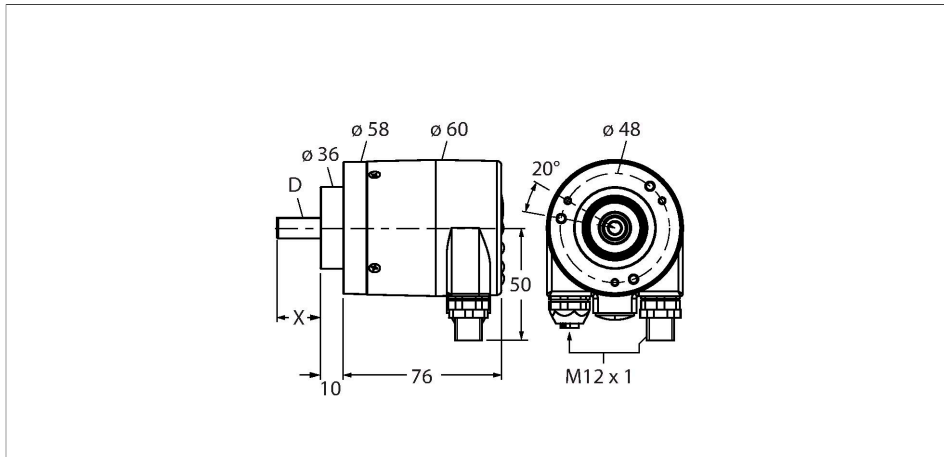


RM-29S10C-9A28B-R3M12

Absolute Rotary Encoder - Multiturn Industrial Line



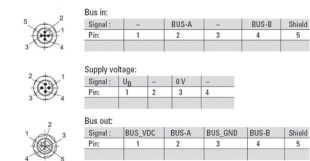
Features

- 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
ID	1544416
Measuring principle	Optical
General data	
Max. Rotational Speed	3000 rpm
Moment of inertia of the rotor	$4 \times 10^{-6} \text{ kgm}^2$
Starting torque	< 0.01 Nm
Output type	Absolute multiturn
Resolution singleturn	16 Bit
Resolution multiturn	12 Bit
	single-turn scalable
Electrical data	
Operating voltage	10...30 VDC
No-load current	120 mA
Wire breakage/Reverse polarity protection	yes
Communication protocol	PROFIBUS-DP
Mechanical data	
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	10
Shaft Length L [mm]	20

Wiring diagram



Technical data

Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Bus connection
	3 x M12
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-40...+80 °C
Vibration resistance (EN 60068-2-6)	100 m/s ² , 55...2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s ² , 6 ms
Protection class housing	IP67
Protection class shaft	IP67