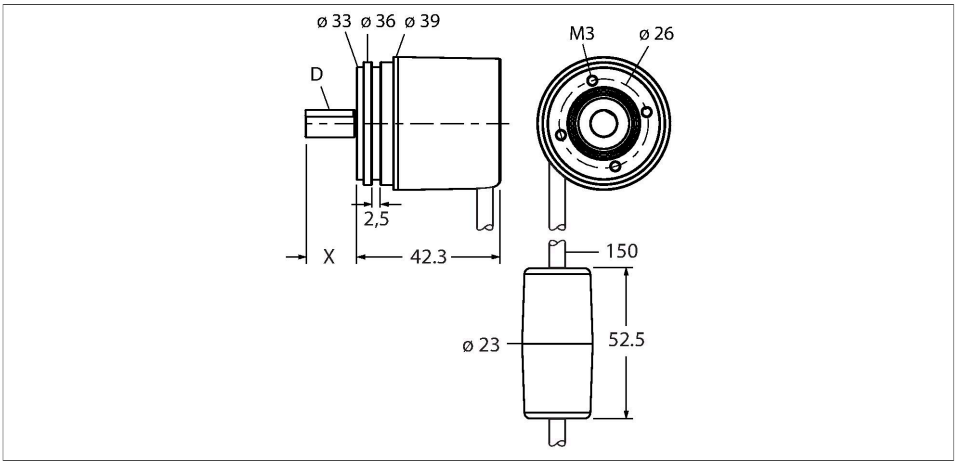
RM-47T8S-9D32B-CT1M
Absolute Rotary Encoder - Multiturn
Industrial Line



Features

- Synchro flange, Ø 36 mm
- Solid shaft, Ø 8 mm × 15 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP67 on shaft side
- -40…+85 °C
- Max. 12000 rpm (continuous operation 10000 rpm)
- CANopen
- Cable connection
- Singleturn, resolution scalable to 16 bit (default 13 bit)
- Multiturn resolution scalable with a total resolution of max. 25 bit

Technical data

Type	RM-47T8S-9D32B-CT1M
ID	200003178
Measuring principle	Optical
General data	
Max. Rotational Speed	12000 rpm
Starting torque	< 0.01 Nm
Output type	Absolute multiturn
Resolution singleturn	16 Bit
Resolution multiturn	16 Bit
	Single-turn and multiturn, scalable resolution up to 25 bit
Electrical data	
Operating voltage	10…30 VDC
No-load current	80 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Communication protocol	CANopen
Interface	CAN high-speed acc. to ISO 11898, Basicand Full-CAN, CAN specification 2.0 B
Node ID	1…127 mit Software konfigurierbar
Baud rate	10…1000 kbps can be configured using software

Technical data

Mechanical data	
Design	Solid shaft
Flange type	Synchro flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	8
Shaft Length L [mm]	15
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Cable
	tangential
cable length	1 m
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-40…+85 °C
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