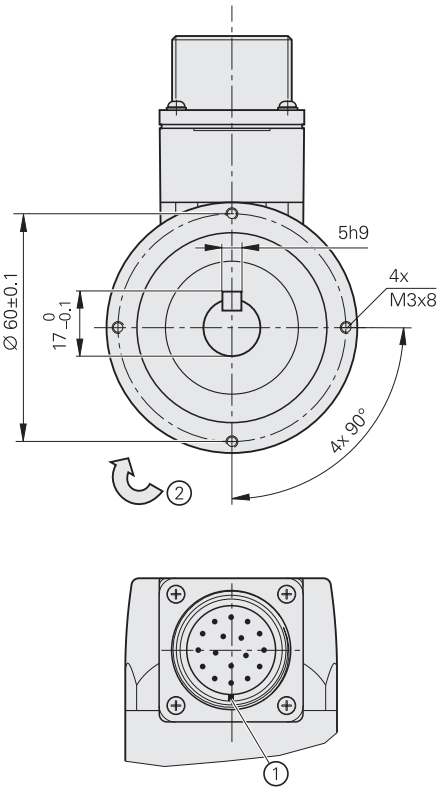
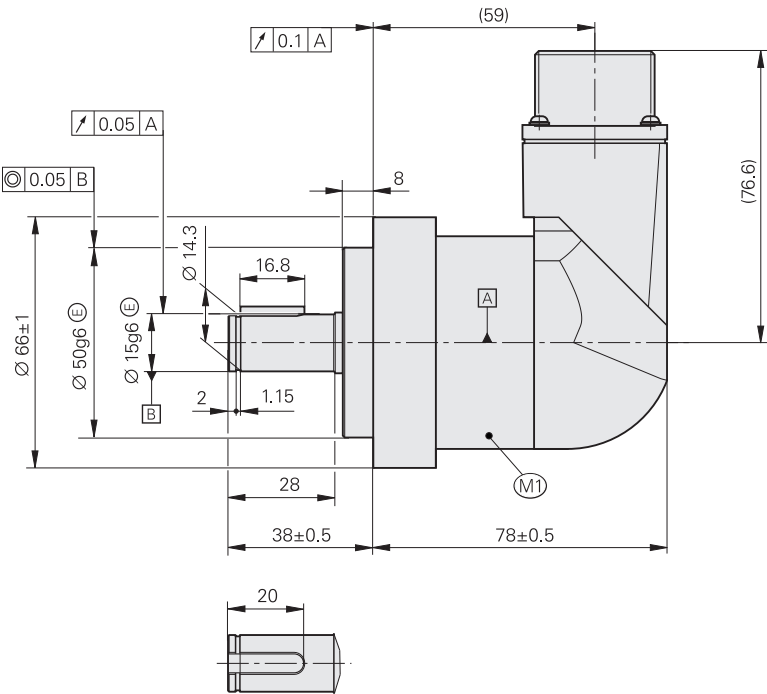
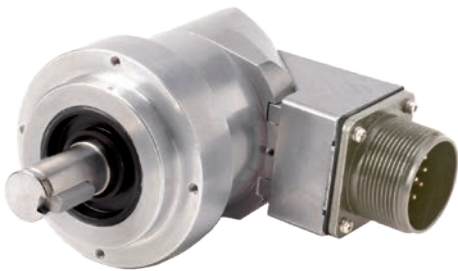


ROD 600 series

- Incremental rotary encoders with sturdy design
- Clamping flange
- Solid shaft for separate shaft coupling



mm
Tolerancing ISO 8015
ISO 2768:1989-mH
≤ 6 mm: ±0.2 mm

- ▣ = Encoder bearing
- M1 = Measuring point for operating temperature
- 1 = Connector coding
- 2 = Direction of shaft rotation for output signals according to interface description

	Incremental	
	ROD 620	ROD 630
Incremental signals	□□TTL	□□HTL
Line counts*	512 1000 1024 2048 5000	
Reference mark	One	
Scanning frequency	≤ 300 kHz	
Edge separation <i>a</i>	≥ 0.39 μs	
System accuracy	±1/20 of grating period	
Electrical connection	Flange socket 1¼"; 18UNEF 17-pin, radial ¹⁾	
Supply voltage	DC 5 V ±0.5 V	DC 10 V to 30 V
Current consumption without load	≤ 120 mA	≤ 150 mA
Shaft	Solid shaft Ø 15 mm with key	
Mech. permiss. speed	≤ 12000 rpm	
Starting torque (typical)	0.05 Nm (at 20 °C)	
Moment of inertia of rotor	≤ 11 · 10 ⁻⁶ kgm ²	
Shaft load	Axial: 75 N Radial: 75 N at shaft end	
Vibration: 55 Hz to 2000 Hz	≤ 200 m/s ² (EN 60068-2-6)	
Shock: 6 ms	≤ 2000 m/s ² (EN 60068-2-27)	
Max. operating temp.	85 °C	
Min. operating temp.	-20 °C	
Relative humidity	≤ 93 % (40 °C/4 d as per EN 60068-2-78); without condensation	
Protection EN 60529	IP66	
Mass	≈ 0.8 kg	
Valid for ID	1145260-xx	1145261-xx

* Please select when ordering
¹⁾ Compatible mating connector: ID 1094831-01, cable only: ID 816317-xx