

Handwheel CESI 100



Electronic handwheel with robust metal housing for quick and simple input of digital values.

- Type H operating voltage 5V
- Type G operating voltage 24V
- Sealing IP65
- Simple connection via screw clamp
- 100 pulses per revolution
- Stronger indexing also possible

1.0 Construction

1.1 Function	Electronic rotary encoder with magnetic rest
1.2 Distribution auf 360°	100
1.3 Detent Angle	3,6°
1.4 Contacts	Screw clamp
1.5 Mounting	Central mounting

2.0 Electrical Data

	H	G
2.1 Version		
2.2 Nominal voltage	5 V – ± 10%	24 V – ± 5%
2.3 Input current max.	< 60 mA	< 20 mA
2.4 Output signal	TTL-compatible	0 to U_B
2.5 Output current max.	max. 10 mA	max. 10 mA
2.6 Life expectancy	> 20x10 ⁶ Revolutions	
2.7 Output signal	Right angle offset	
2.8 Impulse per revolution	100	

3.0 Mechanical Data

3.1 Impulse generation	Optical
3.2 Operating torque	4 Ncm (optional 8 Ncm)
3.3 Permitted no. of revolutions	1000 min. ⁻¹
3.4 Dust protection	Closed housing
3.5 Waterproof against front panels	IP 65

4.0 Other Data

4.1 Ambient temperature	–20 to 70°C
4.2 Storage temperature	–40 to 85°C

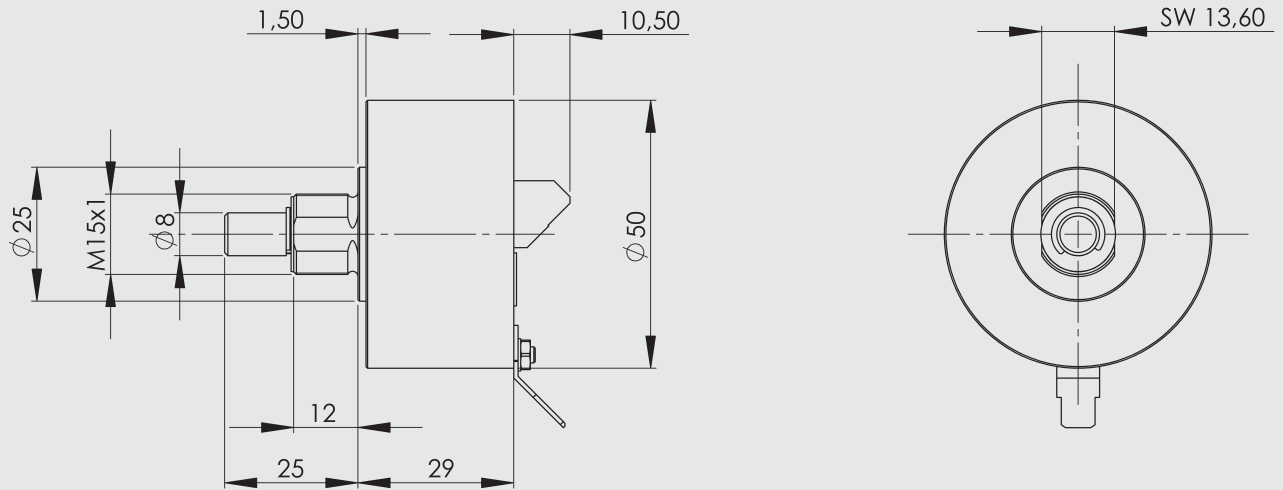
Ordering Codes

Designation of type **Handwheel CESI 100**

1. Current supply **H=5 V; G=24 V**

The bold-typed data in the yellow order blocks remain unchanged.
Normal-typed data match the drawings and can be modified according to your wishes.
Blanks need to be completed according to the ordering details on the previous page.

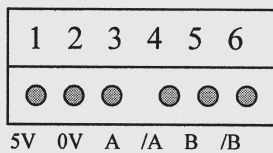
Dimensional drawings · Dimensions in mm



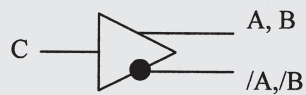
Handrad CESI 100

Handwheel CESI 100

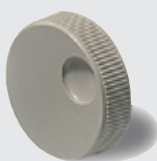
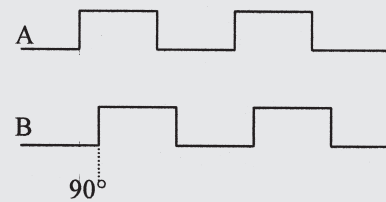
Pin assignment



Output circuit RS 422



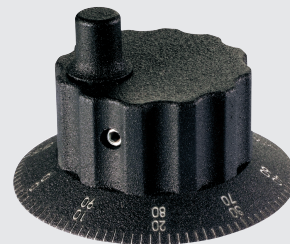
Output pulses



Type HK 1



Type HK 2



Type HK 10

Hand Wheel · Different customer specific knobs