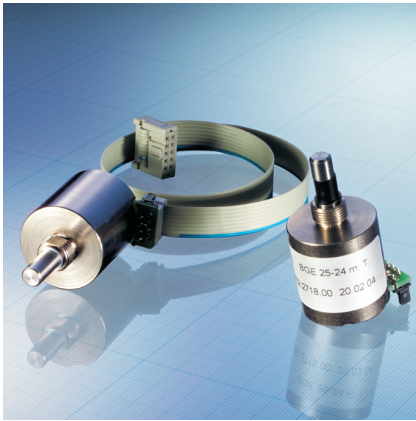


Rotary Encoder BGE 25



Magnetic rotary pulse encoder for quick and simple adjustment of digital values

- magnetic detent
- on request waterproof
- ball bearing shaft
- extremely good follow-up of movement
- precision ball bearing
- precision adjustment via exact and smooth running indexing
- direction indication via two separate pulse outputs.

1.0 Construction

1.1 Function	Magnetic rotary encoder with magnetic rest
1.2 Detent angle	15°; 11,25°; 5,625°;
1.3 Detent graduation	24, 32, 64 detents per revolution
1.4 Indicator of revolution direction*	2 independent outputs
1.5 Electrical connection	Flat wire 80 mm
1.6 Mounting	Central mounting

*See impulse diagram.

2.0 Electrical Data

2.1 Switching voltage max.	5 VDC ± 10% (optional 3,3 VDC)
2.2 Switching current max.	< 25mA
2.3 Life expectancy	≥ 20 × 10 ⁶ cycles
2.4 Output signal	TTL: high > V _{cc} - 0,5 V, low < V _{ss} + 0,5 V max. 4 mA per output (also button)
2.5 Impulses per output	16 pulse per revolution 32 pulse per revolution 64 pulse per revolution

3.0 Mechanical Data

3.1 Detent mechanism	Magnetic
3.2 Detent torque with indexing	0,5 Ncm (16 pulse) ± 50% 0,3 Ncm (64 pulse) ± 50%
3.3 Follow-up movement	approx. 5 revolutions
3.4 Activating button	approx. 5 N ± 50 %
3.5 Force button	approx. 0,8 mm
3.6 Fastening torque max.	5 Nm

4.0 Other Data

4.1 Ambient temperature	- 50 to 70°C
4.2 Storage temperature	- 40 to 85°C
4.3 EMV acc. to	IEC 801-2, IEC 801-4, IEC 255-4

Options

Absolute encoder with serial or binary coded output

Index

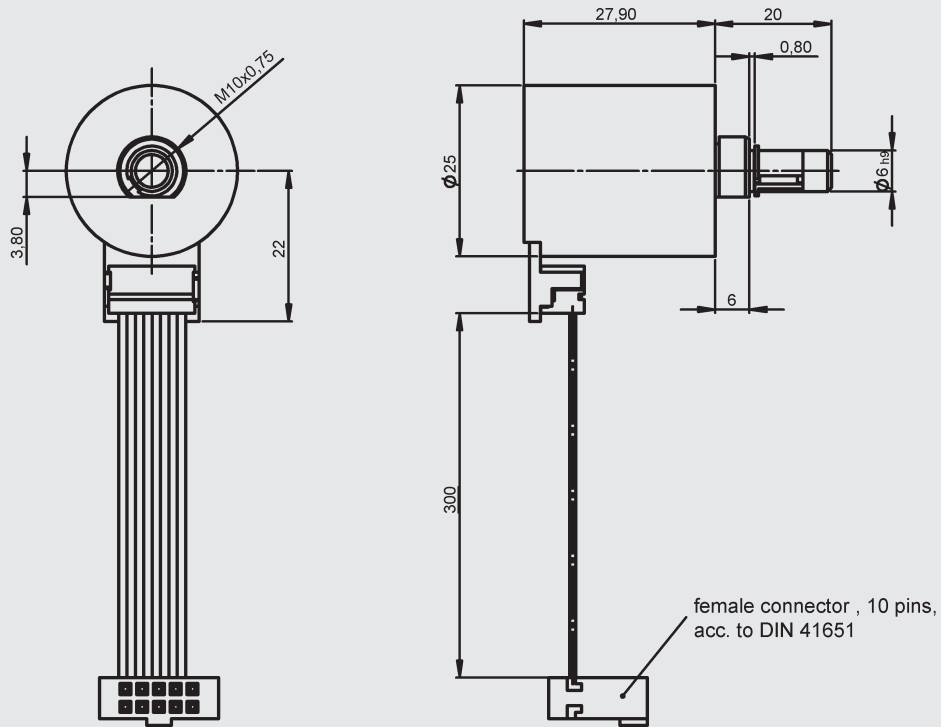
Pulses/directions

Ordering Codes

Designation of type	BGE 25 24-32-64
1. Detent graduations	24, 32, 64 per revolution
2. Button	S = standard, T = button
3. Shaft length	20 mm = standard
4. Shaft design	A = standard
5. Seal	0 = without O-Ring

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



BGE 25 - 1 - 2 - 203 - A4 - 5

BGE 25 · Standard version

