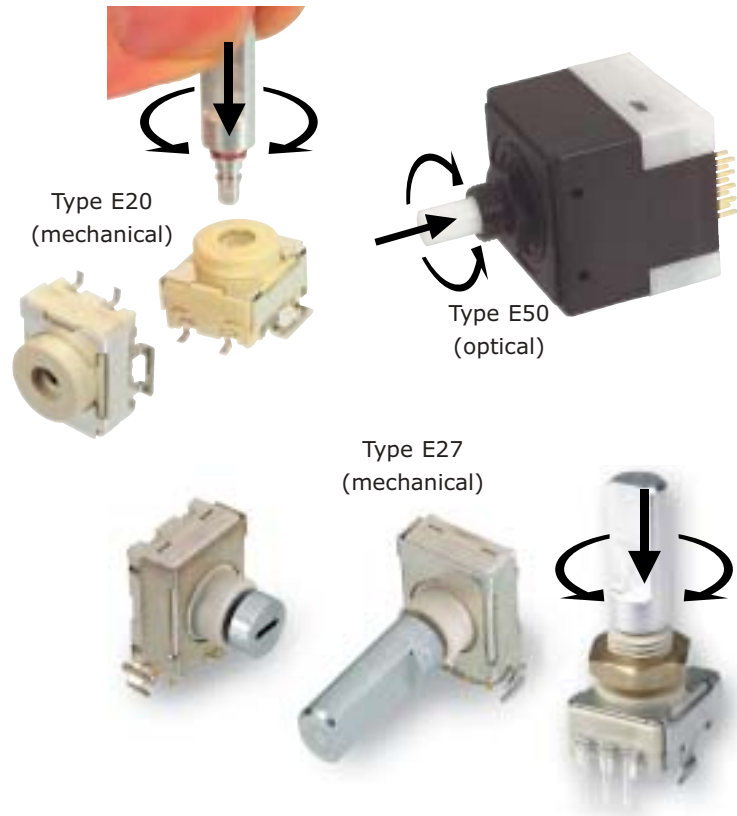


Mechanical and Optical Encoders Overview

- with 16, 24, 30, 32 detent
- high life expectancy
- electromechanical and optical contact system
- high torque values
- easy to modify



Our ability to adapt existing components to your application, makes Elma your preferred solution partner.

Technical Data

Designation	Type E20 mechanical	Type E27 mechanical	Type E50 optical
Dimension	12 x 14mm	12x 14mm	30x30 mm
Connection	SMD	THT (DIL)	plug in (IDC) (cable on request)
Function (Code)	mechanical incremental encoder with 16/30 pulses per rotation with additional signal by pushing the spindle-shaft	mechanical incremental encoder with 16/30 pulses per rotation with/without additional signal by pushing the spindle-shaft	optical incremental encoder with 24/32 pulses per rotation with/without additional signal by pushing the spindle-shaft
Indexing angle	12°	12°	11,25° / 15°
Processing	wave soldering reflow	wave soldering reflow	
Contact material	gold	gold	
Life expectancy:			
Rotations	> 100'000	> 100'000	>10 Mio.
Push button actuation	> 100'000	> 100'000	> 5 Mio.
Contact resistance	< 100 mΩ	< 100 mΩ	
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