



baelz 87

DIGITAL I/P POSITIONER

The baelz 87 electro-pneumatic positioner compares an electrical actuating signal with the stroke of the pneumatic valve and thus regulates the required actuating pressure.

ADVANTAGES AT A GLANCE

- Easy operation with menu navigation and capacitive buttons
- Preset parameters, individually customizable if required
- Power-fail-safe storage of all parameters in the EEPROM
- Optional accessories: assembly kit, manometer attachment kit

Options	
87	without explosion protection
87-Ex	ATEX: II 2 G Ex ia IIC T4 / STCC: 0 Ex ia IIC T4 X
87-Ex-CSA	CSA: Ex ia IIC T4; Class I, Zone 0, AEx ia IIC T4; Class I, Div. 1, Groups A, B, C & D
87- ...	without mounting
87- ... -M	including mounting on baelz 373-P pneumatic actuator ...
Complete adaptation parts	Assembly package as replacement or for retrofitting, weight approx. 0.2 kg
Manometer mounting kit	including 2 manometers Ø 40 mm, display range: 0 ... 10 bar

baelz 87 positioner - technical specifications	
Input signal	4 ... 20mA (2-wire)
Fluid	Compressed air according to ISO 8573-1 - Particle content: Class 4; Oil content: Class 3
Air pressure	Max. 1.7 ... 7 bar (actuating pressure for linear actuators 6 bar)
Ventilate actuator flow	3.0 m _n ³ /h at 1.4 bar; 8.5 m _n ³ /h at 6 bar
Dearate actuator flow	4.5 m _n ³ /h at 1.4 bar; 14.0 m _n ³ /h at 6 bar
Air consumption	< 0.1 m _n ³ /h to 6 bar
Housing / cover	Polyphthalamide (PPA) / polycarbonate (PC)
IP rating	IP 66
permissible ambient temp.	- 20 ... + 80°C (see also Ex approval)
Cable gland	Polyamide (PA), black, M20 x 1.5
Connecting thread	G 1/4, internal thread
Stroke	12...66 mm
Weight	approx. 0.7 kg

baelz 87 dimensions (mm)

