



baelz 373-P21

DESCRIPTION

baelz 373-P21 compact pneumatic linear actuators with aluminum housing EN AC-AISI9Cu3(Fe) and NBR diaphragm. For control valves up to DN 125.

TECHNICAL SPECIFICATIONS

Ambient conditions: temperature: 0 ... +80° C;
 relative humidity: 0 ... 90%
 Max. supply air pressure: 6 bar
 Air connection: push-in fitting for tube Ø 8 mm
 Yoke and coupling made of aluminum (P21L: coupling zinc plated steel), fasteners made of zinc plated steel.
 Stroke: 8, 12, 16, 22 mm
 Number of springs: 3, 6, 12, 18 or 6 reinforced (V6)

OPTIONS

Fo = Spring above: spindle extended is normal position. The springs extend the spindle, compressed air retracts the spindle.
Fu = Spring below: spindle retracted is normal position. The springs retract the spindle, compressed air extends the spindle.
Manual operation:
 P21-H21 (for 3, 6, 12, 18 spring) - handwheel Ø120 mm
 P21-V6-H21 (for reinforced spring) - handwheel Ø 200 mm

Yoke options:

S21 yoke (standard) - for valves with spindle Ø10 mm
 S21-L yoke - for valves with spindle Ø16 mm
 S23 yoke - spindle Ø10 mm (für high differential pressures)
 S23L yoke - spindle Ø16 mm (für high differential pressures)

| Designation | Valve Spindle Ø (mm) | Options | | | |
|---------------|----------------------|-----------|--------------------------------|--------------------------|----------------------|
| | | Force (N) | Min. supply air pressure (bar) | N ^o . springs | Weight, approx. (kg) |
| P21-3-Fo/Fu | 10 | 1020 | 1.2 | 3 | 5.3 |
| P21L-3-Fo/Fu | 16 | | | | |
| P21-6-Fo/Fu | 10 | 2040 | 3 | 6 | 5.6 |
| P21L-6-Fo/Fu | 16 | | | | |
| P21-12-Fo/Fu | 10 | 3390 | 6 | 12 | 5.9 |
| P21L-12-Fo/Fu | 16 | | | | |
| P21-18-Fo/Fu | 10 | 4030 | 6 | 18 | 6 |
| P21L-18-Fo/Fu | 16 | | | | |
| P21-V6-Fo/Fu | 10 | 7590 | 6 | 6 | 8.8 |
| P21L-V6-Fo/Fu | 16 | | | | |
| +H21 | | - | | | +2 |

| Extras | Order number |
|--|----------------|
| Mechanical stroke limitation | MP373-P21-1411 |
| Silicone membrane, Ambient temperature 0...100 °C | MP373-P21-501 |
| Polyester coated inside and out, black, for hydraulic operation, includes coating of yoke. With stainless steel fittings and yoke connection. Ambient temperature max. 50 °C | MP373-P21-521 |
| Special coating, FDA approved, includes coating of yoke. With stainless steel fittings and yoke connection. | MP373-P21-531 |

baelz 373-P21 dimensions (mm)

