

# Short-stroke cylinder ADVC-40-5-A-P-A

Part number: 188242

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 5 mm   |
| Piston diameter  | 40 mm  |
| Based on standard  | ISO 6431<br>Hole pattern<br>VDMA 24562   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Design   | Piston<br>Piston rod   |
| Position detection   | Via proximity switch   |
| Operating pressure   | 0.1 MPa...1 MPa<br>1 bar...10 bar<br>14.5 psi...145 psi                                    |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -20 °C...80 °C   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 686 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 754 N  |
| Moving mass  | 66 g   |
| Moving mass for 0 mm stroke                                  | 61 g   |
| Additional moving mass per 10 mm stroke                      | 10 g   |
| Product weight   | 298 g  |
| Basic weight for 0 mm stroke                                 | 275 g  |
| Additional weight per 10 mm stroke                           | 26 g   |
| Type of mounting   | With through-hole<br>With accessories<br>Either:   |
| Pneumatic connection   | G1/8   |
| Note on materials  | RoHS-compliant   |

| Feature             | Value                               |
|---------------------|-------------------------------------|
| Material cover      | Wrought aluminium alloy<br>Anodised |
| Material seals      | TPE-U(PU)                           |
| Material housing    | Wrought aluminium alloy<br>Anodised |
| Material piston rod | High-alloy steel                    |