

# Short-stroke cylinder ADVC-20-10-I-P-A

Part number: 188141

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 20 mm  |
| 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   |
| Symbol   | 00991217   |
| Operating pressure   | 0.1 MPa ... 1 MPa  |
| Operating pressure   | 1 bar ... 10 bar   |
| Operating pressure   | 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  | 141 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 189 N  |
| Moving mass  | 29 g   |
| Moving mass for 0 mm stroke                                  | 23 g   |
| Additional moving mass per 10 mm stroke                      | 6 g  |
| Product weight   | 130 g  |
| Basic weight for 0 mm stroke                                 | 105 g  |
| Additional weight per 10 mm stroke                           | 30 g   |
| Type of mounting   | Either:<br>With through-hole<br>With accessories   |
| Pneumatic connection   | M5   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Wrought aluminium alloy<br>Anodised  |
| Material seals   | TPE-U(PU)  |
| Material housing   | Anodised   |
| Material piston rod  | High-alloy steel   |