

# Short-stroke cylinder ADVC-20-5-I-P-A

Part number: 188140

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 5 mm   |
| Piston diameter                          | 20 mm  |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any  |
| Mode of operation                        | Double-acting  |
| Structural design                        | Piston<br>Piston rod   |
| Position sensing                         | For proximity sensor   |
| 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 as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L  |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Theoretical force at 6 bar, retracting   | 141 N  |
| Theoretical force at 6 bar, advancing    | 189 N  |
| Moving mass                              | 26 g   |
| Moving mass at 0 mm stroke               | 23 g   |
| Additional moving mass per 10 mm stroke  | 6 g  |
| Product weight                           | 114 g  |
| Basic weight with 0 mm stroke            | 105 g  |
| Additional weight per 10 mm stroke       | 30 g   |
| Type of mounting                         | Optionally:<br>With through-hole<br>With accessories               |
| Pneumatic connection                     | M5   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Wrought aluminum alloy<br>Anodized                                 |
| Seals material                           | TPE-U(PU)  |
| Housing material                         | Wrought aluminum alloy<br>Anodized                                 |
| Piston rod material                      | High-alloy steel   |