

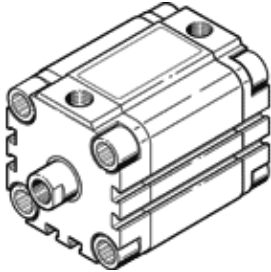
Compact cylinder

ADVU-80-10-P-A

Part number: 156568
Classic - do not use for new projects

FESTO

For proximity sensing, piston-rod end with female thread.
Modern alternatives can be found by entering the first four characters of the type code in the search field.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 10 mm |
| Piston diameter | 80 mm |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Mode of operation | double-acting |
| Piston-rod end | Female thread |
| Design structure | Piston Piston rod |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure MPa | 0.06 ... 1 MPa |
| Working pressure | 6 ... 10 bar |
| Operating pressure | 8.7 ... 145 psi |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 0.75 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 2,827 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 3,016 N |
| Moving mass with 0 mm stroke | 307 g |
| Additional mass factor per 10 mm of stroke | 25 g |
| Basic weight for 0 mm stroke | 1,772 g |
| Additional weight per 10 mm stroke | 168 g |
| Mounting type | with through hole with accessories Optional |
| Pneumatic connection | G1/8 |
| Material of flange screw | steel, galvanized |
| Material cover | Wrought Aluminum alloy |
| Material of dynamic seals | NBR TPE-U(PU) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Wrought Aluminum alloy |