

compact cylinder

ADVULQ-100-40-P-A

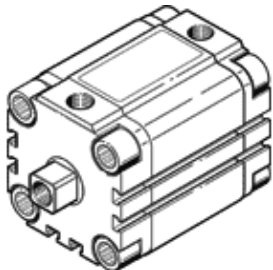
Part number: 156754

Classic - do not use for new projects

FESTO

For proximity sensing. Secured against rotation by means of square piston rod. 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 | 40 mm |
| Piston diameter | 100 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 |
| Protection against torque/guide | Square piston rod |
| Operating pressure | 0.6 ... 10 bar |
| 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 |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 1 J |
| Theoretical force at 6 bar, return stroke | 4,418 N |
| Theoretical force at 6 bar, advance stroke | 4,712 N |
| Moving mass with 0 mm stroke | 614 g |
| Additional weight per 10 mm stroke | 177 g |
| Basic weight for 0 mm stroke | 2,797 g |
| Additional mass factor per 10 mm of stroke | 38 g |
| Mounting type | with through hole with accessories Optional |
| Pneumatic connection | G1/4 |
| Material of flange screw | steel, galvanized |
| Material cover | Wrought Aluminium alloy |
| Material of dynamic seals | NBR TPE-U(PU) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Wrought Aluminium alloy |