

Compact cylinder

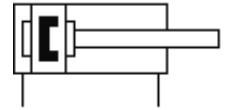
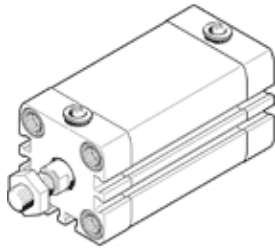
ADNP-40-50-A-P-A-QS-6

Part number: 539423

FESTO

Per ISO 21287, with position sensing and external piston rod thread,
with integrated QS push-in connector

Products to be discontinued. Available until 2011.



Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 40 mm |
| Piston rod thread | M10x1,25 |
| Based on the standard | ISO 21287 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure | 0.6 ... 10 bar |
| Mode of operation | double-acting |
| Operating medium | Dried compressed air, lubricated or unlubricated |
| Corrosion resistance classification CRC | 2 |
| Ambient temperature | -10 ... 60 °C |
| Impact energy in end positions | 0.56 J |
| Theoretical force at 6 bar, return stroke | 686 N |
| Theoretical force at 6 bar, advance stroke | 754 N |
| Moving mass with 0 mm stroke | 55 g |
| Additional weight per 10 mm stroke | 32 g |
| Basic weight for 0 mm stroke | 240 g |
| Additional mass factor per 10 mm of stroke | 3 g |
| Mounting type | Optional with through hole with internal (female) thread with accessories |
| Pneumatic connection | QS-6 |
| Materials note | Conforms to RoHS |
| Materials information for cover | PA-reinforced |
| Materials information for seals | TPE-U(PU) |
| Materials information for piston rod | Wrought Aluminium alloy Anodised |
| Materials information for cylinder barrel | Wrought Aluminium alloy Smooth anodised |