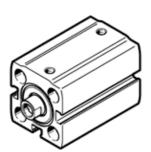
Compact cylinder ADN-25-80-I-P-A-C Part number: 8075741 Product to be discontinued

Type to be discontinued. Available until 2022. See Support Portal for alternative products.







Data sheet

| Feature | Value |
|--|--|
| Stroke | 80 mm |
| Piston diameter | 25 mm |
| Piston rod thread | M8 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Conforms to standard | ISO 21287 |
| 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 | 0.6 10 bar |
| Mode of operation | double-acting |
| 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 | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -20 80 °C |
| Impact energy in end positions | 0.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 247 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 295 N |
| Moving mass with 0 mm stroke | 32.5 g |
| Additional weight per 10 mm stroke | 30 g |
| Basic weight for 0 mm stroke | 142.5 g |
| Additional mass factor per 10 mm of stroke | 6 g |
| Mounting type | with through hole |
| | with internal (female) thread |
| | with accessories |
| | Optional |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy |
| Material seals | TPE-U(PUR) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Wrought Aluminum alloy |
| | Smooth anodized |