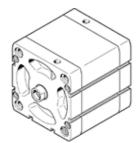
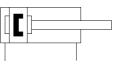
compact cylinder ADN-100-15-I-PPS-A Part number: 577191

with self-adjusting pneumatic end position cushioning



Data sheet

| Feature | Value |
|--|--|
| Stroke | 15 mm |
| Piston diameter | 100 mm |
| Piston rod thread | M12 |
| Cushioning | PPS: Self-adjusting pneumatic end-position cushioning |
| Assembly position | Any |
| Conforms to standard | ISO 21287 |
| Piston-rod end | Female thread |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure | 1 10 bar |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with IS08573-1:2010 [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 | 2.5 J |
| Cushioning length | 10 mm |
| Theoretical force at 6 bar, return stroke | 4,524 N |
| Theoretical force at 6 bar, advance stroke | 4,712 N |
| Moving mass with 0 mm stroke | 570 g |
| Additional weight per 10 mm stroke | 98 g |
| Basic weight for 0 mm stroke | 2,154 g |
| Additional mass factor per 10 mm of stroke | 25 g |
| Mounting type | with through hole |
| | with internal (female) thread |
| | with accessories |
| | Optional |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | Aluminium die cast |
| | coated |
| Material seals | TPE-U(PUR) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Wrought Aluminium alloy |
| | Smooth anodised |



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