

# compact cylinder ADN-25-15-I-PPS-A

Part number: 577175

FESTO

with self-adjusting pneumatic end position cushioning



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 15 mm  |
| Piston diameter                            | 25 mm  |
| Piston rod thread                          | M6   |
| 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                         | 1.5 ... 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    | 2 - Moderate corrosion stress  |
| Ambient temperature                        | -20 ... 80 °C  |
| Impact energy in end positions             | 0.3 J  |
| Cushioning length                          | 3.5 mm   |
| Theoretical force at 6 bar, return stroke  | 247 N  |
| Theoretical force at 6 bar, advance stroke | 295 N  |
| Moving mass with 0 mm stroke               | 50 g   |
| Additional weight per 10 mm stroke         | 23 g   |
| Basic weight for 0 mm stroke               | 156 g  |
| Additional mass factor per 10 mm of stroke | 6 g  |
| Mounting type                              | with through hole<br>with internal (female) thread<br>with accessories<br>Optional |
| Pneumatic connection                       | M5   |
| Materials note                             | Conforms to RoHS   |
| Material cover                             | Aluminium<br>Anodised  |
| Material seals                             | TPE-U(PUR)   |
| Material piston rod                        | High alloy steel   |
| Material cylinder barrel                   | Wrought Aluminium alloy<br>Smooth anodised   |