

# compact cylinder AEN-S-25-10-I-P

Part number: 8076507

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 25 mm  |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                                   |
| Assembly position  | Any  |
| Mode of operation  | pushing action   |
| Piston-rod end   | Female thread  |
| Design structure   | Piston<br>Piston rod   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.06 ... 1 MPa   |
| 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                  | 1 - Low corrosion stress   |
| PWIS conformity  | VDMA24364-B2-L   |
| Ambient temperature                                      | 0 ... 60 °C  |
| Impact energy in end positions                           | 0.09 J   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 22 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 259 N  |
| Moving mass with 0 mm stroke                             | 17 g   |
| Additional mass factor per 10 mm of stroke               | 6 g  |
| Basic weight for 0 mm stroke                             | 70 g   |
| Additional weight per 10 mm stroke                       | 30 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   | Anodised wrought aluminium alloy   |
| Material of dynamic seals                                | NBR  |
| Material housing   | Anodised wrought aluminium alloy   |
| Material piston rod                                      | High alloy steel, non-corrosive  |