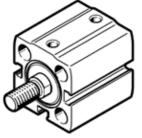
## Compact cylinder ADN-S-12-10-A-P-A Part number: 8091424







## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 12 mm  |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                 |
| Assembly position  | Any  |
| Mode of operation  | double-acting  |
| Piston-rod end   | Male thread  |
| Design structure   | Piston   |
|  | Piston rod   |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.1 1 MPa  |
| Working pressure   | 1 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                           | 0.07 J   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 51 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 68 N   |
| Moving mass with 0 mm stroke                             | 6 g  |
| Additional mass factor per 10 mm of stroke               | 2 g  |
| Basic weight for 0 mm stroke                             | 33 g   |
| Additional weight per 10 mm stroke                       | 15 g   |
| Mounting type  | with through hole  |
|  | with internal (female) thread                                    |
|  | with accessories   |
|  | Optional   |
| Pneumatic connection                                     | M5   |
| Materials note   | Conforms to RoHS   |
| Material cover   | Anodised wrought aluminium alloy                                 |
| Material of dynamic seals                                | NBR  |
|  | TPE-U(PU)  |
| Material housing   | Anodised wrought aluminium alloy                                 |
| Material piston rod                                      | High alloy steel, non-corrosive                                  |