

## Compact Cylinder ADN-100-60-A-P-A - Festo 536381

Item no. FES-536381

Manufacturer Festo

EAN 4052568171704

Festo pneumatic cylinder for precise linear motion and defined force in automation.

### TECHNICAL DATA

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Ausführungstyp                 | einseitige Kolbenstange                         |
| Betriebsdruck max [bar]        | 10.000000                                       |
| Bore (mm)                      | 100.000000                                      |
| Corrosion resistance class CRC | 2 - moderate corrosion stress                   |
| Cushioning                     | P: Elastic silencer rings / plates double-sided |
| Dichtmaterial                  | TPE-U(PU)                                       |
| Funktion                       | double-acting                                   |
| HS-Code                        | 84123100                                        |
| Hub [mm]                       | 60                                              |
| Medium                         | Compressed air                                  |
| Mounting position              | arbitrary                                       |
| Norm                           | ISO 21287                                       |
| Pneumatic connection           | G1/8                                            |
| Position sensing               | Yes                                             |
| Series                         | ADN                                             |
| Temperature (max.)             | 80                                              |
| Weight                         | 2.3 kg                                          |



### STANDARDS & COMPLIANCE

ISO 8573-1:2010

### DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Stroke [mm]           | 60                                              |
| Piston diameter       | 100 mm                                          |
| Piston rod thread     | M16x1,5                                         |
| Dampening             | P: Elastic silencer rings / plates double-sided |
| installation position | arbitrary                                       |
| Complies to standard  | ISO 21287                                       |
| Piston rod end        | Male thread                                     |

**esd.equipment**

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@esd-equipment.com

**esd.equipment**

Page 1/2

|                                                |                                                                                 |
|------------------------------------------------|---------------------------------------------------------------------------------|
| Position detection                             | For proximity switch                                                            |
| Variants                                       | One-sided piston rod                                                            |
| Operating pressure [bar]                       | 0.6 to 10                                                                       |
| Principle of operation                         | double acting                                                                   |
| Operating medium                               | Compressed air to ISO 8573-1:2010 [7:4:4]                                       |
| Information about operating and control medium | Oiled operation possible (required in further operations)                       |
| Corrosion resistant class KBK                  | 2 - moderate corrosion stress                                                   |
| ambient temperature [°C]                       | -20 to 80                                                                       |
| Impact energy at the end positions [J]         | 2,50                                                                            |
| Theoretical force at 6 bar, Return flow [N]    | 4.524                                                                           |
| Theoretical force at 6 bar, flow [N]           | 4.712                                                                           |
| Moving mass at 0 mm stroke [g]                 | 570                                                                             |
| Weight supplement per 10 mm stroke [g]         | 98                                                                              |
| Base weight at 0 mm stroke [g]                 | 2.154                                                                           |
| Supplement moved mass per 10 mm stroke [g]     | 25                                                                              |
| Fastening type                                 | With throughway bores<br>With female thread<br>With Accessories<br>Selectively: |
| Pneumatic connection                           | G1/8                                                                            |
| Material information                           | RoHs compliant                                                                  |
| Cover material                                 | Aluminium die casting<br>Coated                                                 |
| Seals material                                 | TPE-U(PUR)                                                                      |
| Piston rod material                            | High-alloyed steel                                                              |
| Cylinder tube material                         | Aluminium wrought alloy<br>Smooth anodised                                      |