

## Short-Stroke Cylinder ADVC-50-10-A-P - Festo 188272

Item no. FES-188272

Manufacturer Festo

EAN 4052568148775

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

### TECHNICAL DATA

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Betriebsdruck max [bar]        | 10.000000                                       |
| Bore (mm)                      | 50.000000                                       |
| Corrosion resistance class CRC | 1 - low corrosion stress                        |
| Cushioning                     | P: Elastic silencer rings / plates double-sided |
| Design                         | Piston, piston rod                              |
| Dichtmaterial                  | NBR, TPE-U(PU)                                  |
| Funktion                       | double-acting                                   |
| HS-Code                        | 84123100                                        |
| Hub [mm]                       | 10                                              |
| Material                       | Aluminium                                       |
| Medium                         | Compressed air                                  |
| Mounting position              | arbitrary                                       |
| Norm                           | VDMA 24562, ISO 6431                            |
| Operating conditions           | ISO 8573-1                                      |
| Pneumatic connection           | G1/8                                            |
| Series                         | ADVC                                            |
| Temperature (max.)             | 80                                              |
| Weight                         | 0.38 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]            | 10,0                                            |
| Piston diameter        | 50 mm                                           |
| Dampening              | P: Elastic silencer rings / plates double-sided |
| installation position  | arbitrary                                       |
| Principle of operation | double acting                                   |
| Construction set up    | Piston<br>piston rod                            |

**esd.equipment**

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@esd-equipment.com

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|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Position detection                             | without                                                   |
| Operating pressure [bar]                       | 0.6 to 10                                                 |
| 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                  | 1 - low corrosion stress                                  |
| ambient temperature [°C]                       | -20 to 80                                                 |
| Theoretical force at 6 bar, flow [N]           | 1.178,0                                                   |
| Moving mass [g]                                | 119,00                                                    |
| Product weight [g]                             | 435,0                                                     |
| Fastening type                                 | With throughway bores<br>With Accessories<br>Selectively: |
| Pneumatic connection                           | G1/8                                                      |
| Material information                           | Copper and PTFE-free                                      |
| Cover material                                 | Aluminium wrought alloy<br>anodized                       |
| Seals material                                 | NBR<br>TPE-U(PU)                                          |
| Housing material                               | Aluminium wrought alloy<br>anodized                       |
| Piston rod material                            | High-alloyed steel                                        |
| Theoretical force at 6 bar, Return flow [N]    | 1.057,0                                                   |
| Based on standard                              | ISO 6431<br>VDMA 24562<br>hole pattern                    |