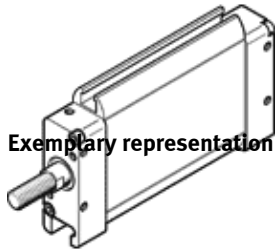


# Flat cylinder DZF-11/16"- -A-P-A

Part number: 162973

FESTO

Non-rotating, for position sensing, with elastic cushioning rings in end positions. Various mounting options, with or without additional mounting components.



Exemplary representation



## Data sheet

| Feature                                                  | Value                                                                       |
|----------------------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                                   | 0.04 ... 8 "                                                                |
| Piston diameter                                          | 11/16"                                                                      |
| Max. angular deflection of piston rod +/-                | 1.2 deg                                                                     |
| Cushioning                                               | P: Flexible cushioning rings/plates at both ends                            |
| Mode of operation                                        | double-acting                                                               |
| Protection against torque/guide                          | Oval piston                                                                 |
| 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                  | 2 - Moderate corrosion stress                                               |
| PWIS conformity                                          | VDMA24364-B1/B2-L                                                           |
| Ambient temperature                                      | -20 ... 80 °C                                                               |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 123 N                                                                       |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 153 N                                                                       |
| Moving mass with 0 mm stroke                             | 24 g                                                                        |
| Additional mass factor per 10 mm of stroke               | 22 g                                                                        |
| Additional weight per 10 mm stroke                       | 4 g                                                                         |
| Basic weight for 0 mm stroke                             | 107 g                                                                       |
| Pneumatic connection                                     | 10-32 UNF-2B                                                                |
| Material cover                                           | Wrought Aluminum alloy                                                      |
| Material seals                                           | FPM<br>TPE-U(PU)                                                            |
| Material housing                                         | Wrought Aluminum alloy                                                      |
| Material piston rod                                      | High alloy steel, non-corrosive                                             |