

# Round cylinder DSNU-3/4"-2"-PPV-A

Part number: 546406

FESTO



## Data sheet

| Feature                                                      | Value                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                       | 2 in                                                                                       |
| Piston diameter                                              | 3/4" "                                                                                     |
| Piston rod thread                                            | 5/16-24 UNF-2A                                                                             |
| Based on standard                                            | ISO 6432                                                                                   |
| Cushioning                                                   | Pneumatic cushioning, adjustable at both ends                                              |
| Mounting position                                            | optional                                                                                   |
| Piston-rod end                                               | Male thread                                                                                |
| Design                                                       | Piston<br>Piston rod                                                                       |
| Position detection                                           | Via proximity switch                                                                       |
| Variants                                                     | Piston rod at one end                                                                      |
| Operating pressure                                           | 0.1 MPa...1 MPa<br>1 bar...10 bar                                                          |
| Mode of operation                                            | Double-acting                                                                              |
| Operating medium                                             | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L                                                                          |
| Ambient temperature                                          | -4 °F...176 °F                                                                             |
| Impact energy in end positions                               | 0,147 ft-lbf                                                                               |
| Cushioning length                                            | 0,67 in                                                                                    |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 35,6 lbf                                                                                   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 42,4 lbf                                                                                   |
| Moving mass for 0 mm stroke                                  | 1247 oz                                                                                    |
| Additional moving mass per 10 mm stroke                      | 113 oz                                                                                     |
| Basic weight for 0 mm stroke                                 | 5296 oz                                                                                    |
| Additional weight per 10 mm stroke                           | 204 oz                                                                                     |
| Type of mounting                                             | With accessories                                                                           |
| Pneumatic connection                                         | 1/8 NPT                                                                                    |
| Material cover                                               | Wrought aluminium alloy                                                                    |

| <b>Feature</b>           | <b>Value</b>               |
|--------------------------|----------------------------|
| Material seals           | NBR<br>TPE-U(PU)           |
| Material piston rod      | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |