

# Round cylinder DSNU-32-160-PPS-A

Part number: 559301

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                    | 160 mm                                                             |
| Piston diameter                                           | 32 mm                                                              |
| Piston rod thread                                         | M10x1.25                                                           |
| Cushioning                                                | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position                                         | Any                                                                |
| Structural design                                         | Piston<br>Piston rod<br>Cylinder barrel                            |
| Position sensing                                          | Via proximity switch                                               |
| Operating pressure                                        | 0.1 MPa...1 MPa<br>1 bar...10 bar                                  |
| Mode of operation                                         | Double-acting                                                      |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                          | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                                                  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                                       | -20 °C...80 °C                                                     |
| Impact energy in the end positions                        | 0.4 J                                                              |
| Cushioning length                                         | 14 mm                                                              |
| Theoretical force at 6 bar, retracting                    | 415 N                                                              |
| Theoretical force at 6 bar, advancing                     | 482.5 N                                                            |
| Moving mass                                               | 265 g                                                              |
| Product weight                                            | 619 g                                                              |
| Type of mounting                                          | With accessories                                                   |
| Pneumatic connection                                      | G1/8                                                               |
| Note on materials                                         | RoHS compliant                                                     |
| Cover material                                            | Wrought aluminum alloy                                             |
| Seals material                                            | NBR<br>TPE-U(PU)                                                   |
| Piston rod material                                       | High-alloy steel                                                   |
| Material of cylinder barrel                               | high-alloy stainless steel                                         |