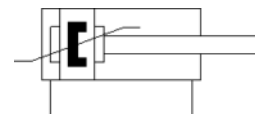


# Round cylinder DSNU-32-125-PPS-A

Part number: 559300

**FESTO**

with self-adjusting pneumatic end position cushioning



## Data sheet

| Feature                                    | values                                                                      |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                     | 125 mm                                                                      |
| Piston diameter                            | 32 mm                                                                       |
| Piston rod thread                          | M10x1,25                                                                    |
| Cushioning                                 | PPS: Self-adjusting pneumatic end-position cushioning                       |
| Assembly position                          | Any                                                                         |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                         | For proximity sensor                                                        |
| Working pressure                           | 1 ... 10 bar                                                                |
| Mode of operation                          | double-acting                                                               |
| 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                                                                           |
| Ambient temperature                        | -20 ... 80 °C                                                               |
| Cushioning length                          | 14 mm                                                                       |
| Theoretical force at 6 bar, return stroke  | 415 N                                                                       |
| Theoretical force at 6 bar, advance stroke | 482.5 N                                                                     |
| Moving mass                                | 234 g                                                                       |
| Product weight                             | 565 g                                                                       |
| Mounting type                              | with accessories                                                            |
| Pneumatic connection                       | G1/8                                                                        |
| Materials note                             | Conforms to RoHS                                                            |
| Materials information for cover            | Wrought Aluminum alloy                                                      |
| Materials information for seals            | NBR<br>TPE-U(PU)                                                            |
| Materials information for piston rod       | High alloy steel                                                            |
| Materials information for cylinder barrel  | High alloy steel, non-corrosive                                             |