

# ISO cylinder DSNU-20-10-PPS-A

Part number: 1908297

FESTO



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10 mm                                                              |
| Piston diameter                          | 20 mm                                                              |
| Piston rod thread                        | M8                                                                 |
| Type code                                | DSNU                                                               |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position                        | Any                                                                |
| Conforms to standard                     | CETOP RP 52 P<br>ISO 6432                                          |
| Piston rod end                           | External thread                                                    |
| Structural design                        | Piston<br>Piston rod<br>Cylinder barrel                            |
| Variants                                 | Piston rod at one end                                              |
| Operating pressure                       | 0.1 MPa ... 1 MPa                                                  |
| Operating pressure                       | 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                                      |
| Ambient temperature                      | -20 °C ... 80 °C                                                   |
| Impact energy in the end positions       | 0.2 J                                                              |
| Cushioning length                        | 15 mm                                                              |
| Theoretical force at 6 bar, retracting   | 158.3 N                                                            |
| Theoretical force at 6 bar, advancing    | 188.5 N                                                            |
| Moving mass at 0 mm stroke               | 44 g                                                               |
| Additional weight per 10 mm stroke       | 7.2 g                                                              |
| Basic weight with 0 mm stroke            | 186.8 g                                                            |
| Additional moving mass per 10 mm stroke  | 4 g                                                                |
| Type of mounting                         | With accessories                                                   |
| Pneumatic connection                     | G1/8                                                               |
| Note on materials                        | RoHS-compliant                                                     |
| Cover material                           | Wrought aluminum alloy<br>Plain anodized                           |
| Seals material                           | NBR<br>TPE-U(PU)                                                   |
| Piston rod material                      | High-alloy stainless steel                                         |
| Material of cylinder barrel              | High-alloy stainless steel                                         |