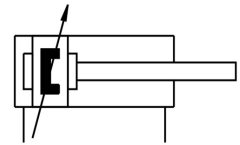


# ISO cylinder DSNU-16-80-PPV-A

Part number: 19231

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Maritime classification                  | See certificate  |
| Stroke                                   | 80 mm  |
| Piston diameter                          | 16 mm  |
| Piston rod thread                        | M6   |
| Type code                                | DSNU   |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 6432<br>CETOP RP 52 P  |
| Piston rod end                           | External thread  |
| Design                                   | Piston<br>Piston rod<br>Cylinder barrel                            |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00991235   |
| Variants                                 | Piston rod at one end  |
| 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       | 0.15 J   |
| Cushioning length                        | 12 mm  |
| Theoretical force at 6 bar, retracting   | 103.7 N  |
| Theoretical force at 6 bar, advancing    | 120.6 N  |
| Moving mass at 0 mm stroke               | 23 g   |
| Additional weight per 10 mm stroke       | 4.6 g  |
| Basic weight with 0 mm stroke            | 89.9 g   |
| Additional moving mass per 10 mm stroke  | 2 g  |
| Type of mounting                         | With accessories   |
| Pneumatic connection                     | M5   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Plain anodized<br>Wrought aluminum alloy                           |
| Seals material                           | TPE-U(PU)<br>NBR   |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
| Piston rod material         | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |