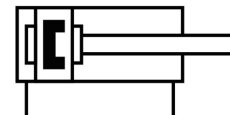


# ISO cylinder DSNU-8-20-P-A

Part number: 1908248

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                                     | Value                                                                                      |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                      | 20 mm                                                                                      |
| Piston diameter                                             | 8 mm                                                                                       |
| Piston rod thread                                           | M4                                                                                         |
| Cushioning                                                  | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                           | optional                                                                                   |
| Conforms to standard                                        | CETOP RP 52 P<br>ISO 6432                                                                  |
| Piston-rod end                                              | Male thread                                                                                |
| Design                                                      | Piston<br>Piston rod<br>Cylinder barrel                                                    |
| Position detection                                          | Via proximity switch                                                                       |
| Symbol                                                      | 00991217                                                                                   |
| Variants                                                    | Piston rod at one end                                                                      |
| Operating pressure                                          | 0.15 MPa ... 1 MPa                                                                         |
| Operating pressure                                          | 1.5 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                                                                          |
| Cleanroom class                                             | Class 6 according to ISO 14644-1                                                           |
| Ambient temperature                                         | -20 °C ... 80 °C                                                                           |
| Impact energy in end positions                              | 0.03 J                                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 22.6 N                                                                                     |
| Additional moving mass per 10 mm stroke                     | 1 g                                                                                        |
| Basic weight for 0 mm stroke                                | 34.6 g                                                                                     |
| Type of mounting                                            | With accessories                                                                           |
| Pneumatic connection                                        | M5                                                                                         |
| Note on materials                                           | RoHS-compliant                                                                             |
| Material cover                                              | Wrought aluminium alloy<br>Colourless anodised                                             |
| Material seals                                              | NBR<br>TPE-U(PU)                                                                           |
| Material piston rod                                         | High-alloy stainless steel                                                                 |
| Material cylinder barrel                                    | High-alloy stainless steel                                                                 |