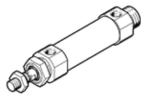
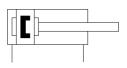
## Round cylinder DSNU-S-25-30-PPS-A-MX Part number: 5228453 Core product range



## **Data sheet**

| Feature                                                  | Value                                                            |
|----------------------------------------------------------|------------------------------------------------------------------|
| Stroke                                                   | 30 mm                                                            |
| Piston diameter                                          | 25 mm                                                            |
| Piston rod thread                                        | M10x1,25                                                         |
| Cushioning                                               | PPS: Self-adjusting pneumatic end-position cushioning            |
| Assembly position                                        | Any                                                              |
| Design structure                                         | Piston                                                           |
|                                                          | Piston rod                                                       |
|                                                          | Cylinder barrel                                                  |
| Position detection                                       | For proximity sensor                                             |
| Operating pressure MPa                                   | 0.06 1 MPa                                                       |
| Working pressure                                         | 0.6 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 - Moderate corrosion stress                                    |
| PWIS conformity                                          | VDMA24364-B2-L                                                   |
| Cleanroom class                                          | ISO class 6                                                      |
| Ambient temperature                                      | -20 80 °C                                                        |
| Cushioning length                                        | 17 mm                                                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 247.4 N                                                          |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 294.5 N                                                          |
| Moving mass with 0 mm stroke                             | 63.6 g                                                           |
| Additional mass factor per 10 mm of stroke               | 6 g                                                              |
| Basic weight for 0 mm stroke                             | 180.2 g                                                          |
| Additional weight per 10 mm stroke                       | 11 g                                                             |
| Mounting type                                            | with accessories                                                 |
| Pneumatic connection                                     | G1/8                                                             |
| Materials note                                           | Conforms to RoHS                                                 |
| Material cover                                           | Anodised wrought aluminium alloy                                 |
| Material seals                                           | TPE-U(PU)                                                        |
| Material piston rod                                      | High alloy steel, non-corrosive                                  |
| Material cylinder barrel                                 | High alloy steel, non-corrosive                                  |



## **FESTO**