

# Feed separator HPVS-22-30-A

Part number: 2095362

FESTO



 General operating condition

## Data sheet

| Feature                                            | Value                                                              |
|----------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                             | 30 mm                                                              |
| Piston diameter                                    | 22 mm                                                              |
| Max. interchangeability                            | 0.3 mm                                                             |
| Max. tappet play Sx                                | 0.05 mm                                                            |
| Max. tappet play Sz                                | 0.03 mm                                                            |
| Max. gripper jaw angular backlash                  | 0.06 deg                                                           |
| Max. gripper jaw angular backlash ay               | 0.11 deg                                                           |
| Max. gripper jaw angular backlash az               | 0.12 deg                                                           |
| External finger mounting                           | Through-hole                                                       |
| Cushioning                                         | No cushioning                                                      |
| Mounting position                                  | Any                                                                |
| Mode of operation                                  | Double-acting                                                      |
| Structural design                                  | Anti-twist feature                                                 |
| Position sensing                                   | For proximity sensor                                               |
| Symbol                                             | 00991216                                                           |
| Protection against torsion/guide                   | Square guide                                                       |
| Minimum product distance due to proximity switches | 70 mm ... 120 mm                                                   |
| Proximity switch protrusion                        | 14 mm ... 22 mm                                                    |
| Operating pressure                                 | 3 bar ... 8 bar                                                    |
| Advancing time                                     | 240 ms ... 480 ms                                                  |
| Retracting time                                    | 240 ms ... 480 ms                                                  |
| Repetition accuracy                                | 0.25 mm                                                            |
| 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                                      |
| LABS (PWIS) conformity                             | VDMA24364-B2-L                                                     |
| Degree of protection                               | IP40                                                               |
| Ambient temperature                                | 5 °C ... 60 °C                                                     |
| Max. tightening torque                             | 24 Nm for M8<br>9.9 Nm for M6                                      |
| Max. force on finger Fz static                     | 180 N                                                              |
| Max. static moment Mr at finger                    | 9 Nm                                                               |
| Max. static moment Mx at finger                    | 9 Nm                                                               |
| Max. static moment at finger                       | 9 Nm                                                               |
| Theoretical force at 6 bar, retracting             | 180 N                                                              |
| Theoretical force at 6 bar, advancing              | 225 N                                                              |

| Feature                               | Value                                        |
|---------------------------------------|----------------------------------------------|
| Product weight                        | 630 g                                        |
| Max. mass per external gripper finger | 395 g                                        |
| Alternative connections               | M5                                           |
| Type of mounting                      | with internal thread M8 and centering sleeve |
| Pneumatic connection                  | M5                                           |
| Note on materials                     | RoHS-compliant                               |
| Cover material                        | High-alloy steel                             |
| Seals material                        | NBR                                          |
| Housing material                      | Wrought aluminum alloy, smooth-anodized      |
| Piston rod material                   | High-alloy steel                             |
| Plunger material                      | High-alloy steel                             |
| Material gate valve                   | Case-hardened steel                          |