

# Handling module HSP-12-AP-SD-WR

Part number: 533601

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Size                                     | 12                                                                 |
| Maximum wait position module Z-stroke    | 15 mm                                                              |
| Y-stroke                                 | 52 mm ... 68 mm                                                    |
| Z-stroke                                 | 20 mm ... 30 mm                                                    |
| Z working stroke                         | 15 mm                                                              |
| Cushioning                               | Pneumatic shock absorber at both ends<br>Soft characteristic curve |
| Mounting position                        | Guide rail<br>Vertical                                             |
| Mode of operation                        | Double-acting                                                      |
| Structural design                        | Positively driven motion sequence                                  |
| Position sensing                         | For proximity sensor                                               |
| Protection against torsion/guide         | Cross guide                                                        |
| Operating pressure                       | 4 bar ... 8 bar                                                    |
| Minimum cycle time                       | 0.6 s                                                              |
| Repetition accuracy                      | ±0.01 mm                                                           |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                     |
| Ambient temperature                      | 0 °C ... 60 °C                                                     |
| Max. torque Mx dynamic                   | 1.1 Nm                                                             |
| Max. static moment Mx                    | 5 Nm                                                               |
| Max. torque My dynamic                   | 1.1 Nm                                                             |
| Max. static moment My                    | 5 Nm                                                               |
| Max. torque Mz dynamic                   | 1.1 Nm                                                             |
| Max. static moment Mz                    | 5 Nm                                                               |
| Max. payload                             | 0.5 kg                                                             |
| Theoretical force at 6 bar               | 40 N                                                               |
| Product weight                           | 2600 g                                                             |
| Front unit mounting                      | With through-hole                                                  |
| Type of mounting                         | With through-hole<br>With slot nuts                                |
| Wait position pneumatic connection       | M3                                                                 |
| Pneumatic connection                     | M5                                                                 |
| Base plate material                      | Wrought aluminum alloy                                             |
| Cross guide material                     | Tempered steel                                                     |

| Feature              | Value                  |
|----------------------|------------------------|
| Side covers material | Wrought aluminum alloy |