

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

Part number: 533602

**FESTO**



## 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                        | Cross guide<br>Swivel module<br>Wait position module optionally on left<br>Positively driven motion sequence |
| Position sensing                         | Via proximity switch                                                                                         |
| 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                                                                                                       |
| Maximum process force in y direction     | 30 N                                                                                                         |
| Theoretical force at 6 bar               | 40 N                                                                                                         |
| Product weight                           | 2600 g                                                                                                       |

| Feature                            | Value                               |
|------------------------------------|-------------------------------------|
| Front unit mounting                | With through-hole                   |
| Type of mounting                   | With through-hole<br>With slot nuts |
| Wait position pneumatic connection | M3                                  |
| Pneumatic connection               | M5                                  |
| Stops material                     | High-alloy steel                    |
| Cover material                     | Wrought aluminum alloy, anodized    |
| Spring pressure piece material     | High-alloy steel                    |
| Base plate material                | Wrought aluminum alloy              |
| Retainer bracket material          | Wrought aluminum alloy              |
| Cross guide material               | Quenched and tempered steel         |
| Swivel lever material              | Case-hardened steel<br>Burnished    |
| Link material                      | Case-hardened steel<br>Burnished    |
| Side covers material               | Wrought aluminum alloy              |
| Sensor rail material               | Wrought aluminum alloy<br>Anodized  |
| Fixed link material                | Wrought aluminum alloy<br>Anodized  |
| Setting screw material             | High-alloy steel                    |