

# Handling module HSP-16-AP-SD

Part number: 533608

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                      | Value                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                         | 16                                                                                         |
| Y stroke                                     | 90 mm ... 110 mm                                                                           |
| Z stroke                                     | 35 mm ... 50 mm                                                                            |
| Z stroke, working stroke                     | 20 mm                                                                                      |
| Cushioning                                   | Shock absorber at both ends<br>Soft characteristic curve                                   |
| Mounting position                            | Guide rail<br>Vertical                                                                     |
| Mode of operation                            | Double-acting                                                                              |
| Design                                       | Cross guide<br>Swivel module<br>Force pilot operated motion sequence                       |
| Position detection                           | Via proximity switch                                                                       |
| Protection against torque/guide              | Cross guide                                                                                |
| Operating pressure                           | 4 bar ... 8 bar                                                                            |
| Min. cycle time                              | 0.8 s                                                                                      |
| Repetition accuracy                          | ±0.01 mm                                                                                   |
| Operating medium                             | Compressed air to ISO 8573-1:2010 [7:-:-]                                                  |
| Note on operating and pilot medium           | Lubricated operation possible (in which case lubricated operation will always be required) |
| LABS (PWIS) conformity                       | VDMA24364-B2-L                                                                             |
| Ambient temperature                          | 0 °C ... 60 °C                                                                             |
| Max. torque Mx dynamic                       | 2.4 Nm                                                                                     |
| Max. torque Mx static                        | 10 Nm                                                                                      |
| Max. torque My dynamic                       | 2.4 Nm                                                                                     |
| Max. torque My static                        | 10 Nm                                                                                      |
| Max. torque Mz dynamic                       | 2.4 Nm                                                                                     |
| Max. torque Mz static                        | 10 Nm                                                                                      |
| Max. effective load                          | 1 kg                                                                                       |
| Theoretical force at 0.6 MPa (6 bar, 87 psi) | 50 N                                                                                       |
| Product weight                               | 4600 g                                                                                     |
| Mounting of front unit                       | With through-hole                                                                          |
| Type of mounting                             | With through-hole<br>Via slot nuts                                                         |
| Pneumatic connection                         | M5                                                                                         |
| Material base plate                          | Wrought aluminium alloy                                                                    |
| Material cross-guide                         | Tempered steel                                                                             |

| Feature                  | Value                   |
|--------------------------|-------------------------|
| Material side components | Wrought aluminium alloy |