

# Handling module HSP-12-AP-WL

Part number: 533604

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                      | Value  |
|--|--|
| Size   | 12   |
| Max. Z stroke waiting position               | 15 mm  |
| Y stroke                                     | 52 mm ... 68 mm  |
| Z stroke                                     | 20 mm ... 30 mm  |
| Z stroke, working stroke                     | 15 mm  |
| Cushioning                                   | Shock absorber at both ends<br>Soft characteristic curve                                   |
| Mounting position                            | Guide rail<br>Vertical   |
| Mode of operation                            | Double-acting  |
| Design                                       | 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                              | 0.6 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                       | 1.1 Nm   |
| Max. torque Mx static                        | 5 Nm   |
| Max. torque My dynamic                       | 1.1 Nm   |
| Max. torque My static                        | 5 Nm   |
| Max. torque Mz dynamic                       | 1.1 Nm   |
| Max. torque Mz static                        | 5 Nm   |
| Max. effective load                          | 0.5 kg   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi) | 40 N   |
| Product weight                               | 1900 g   |
| Mounting of front unit                       | With through-hole  |
| Type of mounting                             | With through-hole<br>Via slot nuts   |
| Pneumatic connection waiting position        | M3   |
| Pneumatic connection                         | M5   |
| Material base plate                          | Wrought aluminium alloy  |
| Material cross-guide                         | Tempered steel   |

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