

# Handling module HSW-16-AP-SD

Part number: 540235

FESTO



## Data sheet

| Feature                                      | Value   |
|--|---|
| Working stroke                               | 20 mm...35 mm   |
| Size   | 16  |
| Max. linear stroke with 90° swivel angle     | 175/175 mm  |
| Z stroke                                     | 80 mm...100 mm  |
| Cushioning                                   | Shock absorber at both ends<br>Soft characteristic curve                                    |
| Mounting position                            | optional  |
| Design                                       | Linear guide plus ball bearing<br>Semi-rotary drive<br>Force pilot operated motion sequence |
| Position detection                           | Via proximity switch  |
| Operating pressure                           | 4 bar...8 bar   |
| Min. cycle time                              | 1 s   |
| Repetition accuracy end positions            | +/-0.02 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. moment Mx                               | 2.5 Nm  |
| Max. moment My                               | 2.5 Nm  |
| Max. moment Mz                               | 2.5 Nm  |
| Max. effective load                          | 1.5 kg  |
| Max. process force in Y direction            | 50 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi) | 55 N  |
| Product weight                               | 5400 g  |
| Type of mounting                             | Via through-hole and centring sleeve  |
| Pneumatic connection                         | M5  |
| Material stops                               | High-alloy steel  |
| Material cover                               | Wrought aluminium alloy<br>Anodised   |
| Material spring pressure piece               | High-alloy steel  |

| <b>Feature</b>               | <b>Value</b>                        |
|------------------------------|-------------------------------------|
| Material base plate          | Wrought aluminium alloy<br>Anodised |
| Material retaining bracket   | Wrought aluminium alloy<br>Anodised |
| Material cross-guide         | Tempered steel                      |
| Material swivel lever        | Case-hardened steel<br>Burnished    |
| Material slotted guide plate | Case-hardened steel<br>Hardened     |
| Material sensor rail         | Wrought aluminium alloy<br>Anodised |
| Material bar                 | Wrought aluminium alloy<br>Anodised |
| Material setting screw       | High-alloy steel                    |