# Handling module
# HSW-12-AP

Part number: 540228



## Data sheet

| Feature | Value |
|---|---|
| Working stroke | 15 mm...25 mm |
| Size | 12 |
| Max. linear stroke at 90° swivel angle | 142/142 mm |
| Z-stroke | 80 mm...100 mm |
| Cushioning | Pneumatic shock absorber at both ends<br>Soft characteristic curve |
| Mounting position | Any |
| Structural design | Linear guide plus ball bearing<br>Quarter turn actuator<br>Positively driven motion sequence |
| Position sensing | Via proximity switch |
| Operating pressure | 4 bar...8 bar |
| Minimum cycle time | 0.8 s |
| Repetition accuracy end positions | +/-0.02 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 | 1.5 Nm |
| Max. torque My | 1.5 Nm |
| Max. torque Mz | 1.5 Nm |
| Max. payload | 1 kg |
| Maximum process force in y direction | 35 N |
| Theoretical force at 6 bar | 35 N |
| Product weight | 2840 g |
| Type of mounting | Via through-hole and centering sleeve |
| Pneumatic connection | M5 |
| Stops material | High-alloy steel |
| Spring pressure piece material | High-alloy steel |
| Base plate material | Wrought aluminum alloy<br>Anodized |
| Retainer bracket material | Wrought aluminum alloy<br>Anodized |

| Feature | Value |
|---|---|
| Cross guide material | Quenched and tempered steel |
| Swivel lever material | Case-hardened steel<br>Burnished |
| Link material | Case-hardened steel<br>Hardened |
| Sensor rail material | Wrought aluminum alloy<br>Anodized |
| Fixed link material | Wrought aluminum alloy<br>Anodized |
| Setting screw material | High-alloy steel |