

Mini slide DGST-25-10-PA

Part number: 8085149

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 10 mm |
| Adjustable end position range/length front | 10.2 mm |
| Adjustable end position range/length rear | 10.2 mm |
| Piston diameter | 25 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Guide | Ball bearing cage guide |
| Design | Twin piston Yoke Piston rod Slide |
| Position detection | Via proximity switch |
| Operating pressure | 0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi |
| Max. speed | 0.8 m/s |
| Repetition accuracy | <= 0.3 mm |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Ambient temperature | -10 °C...60 °C |
| Impact energy in end positions | 0.45 J |
| Cushioning length | 1.2 mm |
| Max. force F _y | 1840 N |
| Max. force F _z | 1840 N |
| Max. moment M _x | 19 Nm |
| Max. moment M _y | 21 Nm |

| Feature | Value |
|--|----------------------------------|
| Max. moment Mz | 21 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 495 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 589 N |
| Moving mass | 850.5 g |
| Product weight | 1736 g |
| Type of mounting | With through-hole |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | HNBR |
| Material guide | POM TPE-E High-alloy steel |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |