

mini slide DGST-20-150-PA

Part number: 8085147

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 150 mm |
| Adjustable endposition range/front length | 32.9 mm |
| Adjustable endposition range/rear length | 31.1 mm |
| Piston diameter | 20 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Guide | Ball bearing cage guide |
| Design structure | twin piston Yoke Piston rod Slide |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.1 ... 0.8 MPa |
| Operating pressure | 1 ... 8 bar 14.5 ... 116 psi |
| Max. speed | 0.8 m/s |
| Repetition accuracy | ≤ 0,3 mm |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 ... 60 °C |
| Impact energy in end positions | 0.35 J |
| Cushioning length | 1.2 mm |
| Max. force F _y | 1,300 N |
| Max. force F _z | 1,300 N |
| Max. torque M _x | 20 Nm |
| Max. torque M _y | 17 Nm |
| Max. torque M _z | 17 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 317 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 377 N |
| Moving mass | 1,293.5 g |
| Product weight | 2,831 g |
| Mounting type | with through hole |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material of guide | POM High alloy steel TPE-E |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |