

mini slide

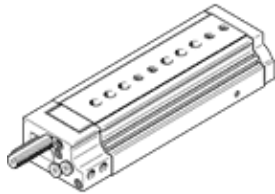
DGSL-N-20-100-Y3A

Part number: 566361
Product to be discontinued

FESTO

For position sensing, with highly accurate, durable ball-cage guide and very high repetition accuracy, hydraulic shock absorbers on both sides (Y3).

Type to be discontinued. Available until 2022. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 100 mm |
| Adjustable endposition range/front length | 88 mm |
| Adjustable endposition range/rear length | 49.5 mm |
| Piston diameter | 25 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | Y3: Shock absorber at both ends, progressive |
| Assembly position | Any |
| Guide | Ball bearing cage guide |
| Design structure | Yoke Piston Piston rod Slide |
| Position detection | For proximity sensor |
| Operating pressure | 1 ... 8 bar |
| Max. speed | 0.8 m/s |
| Repetition accuracy | ±0,01 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 | 0 - No corrosion stress |
| Ambient temperature | 0 ... 60 °C |
| Impact energy in end positions | 7 Nm |
| Cushioning length | 17 mm |
| Max. force Fy | 4,200 N |
| Max. force Fz | 4,200 N |
| Max. torque Mx | 85 Nm |
| Max. torque My | 80 Nm |
| Max. torque Mz | 80 Nm |
| Theoretical force at 6 bar, return stroke | 247 N |
| Theoretical force at 6 bar, advance stroke | 295 N |
| Moving mass | 1,254 g |
| Product weight | 3,029 g |
| alternative connections | See product drawing |
| Mounting type | with through hole |
| Pneumatic connection | 1/8 NPT |
| Materials note | Free of copper and PTFE Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |