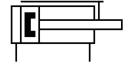
## Mini slide DGSL-12-40-PA Part number: 543964







General operating condition

## **Data sheet**

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 40 mm  |
| Adjustable end-position range/front length | 29 mm  |
| Adjustable end-position range/rear length  | 25.5 mm  |
| Piston diameter                            | 16 mm  |
| Drive unit operating mode                  | Yoke   |
| Cushioning                                 | Elastic cushioning rings/pads at both ends                         |
| Mounting position                          | Any  |
| Guide                                      | Ball bearing cage guide  |
| Structural design                          | Yoke Piston Piston rod Slide                                       |
| Position sensing                           | For proximity sensor   |
| Symbol                                     | 00991263   |
| Operating pressure                         | 0.1 MPa 0.8 MPa  |
| Operating pressure                         | 1 bar 8 bar  |
| Max. speed                                 | 0.8 m/s  |
| Repetition accuracy                        | 0.3 mm   |
| Mode of operation                          | Double-acting  |
| Operating medium                           | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media   | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)           | 0 - No corrosion stress  |
| LABS (PWIS) conformity                     | VDMA24364-B1/B2-L  |
| Cleanroom class                            | Class 7 according to ISO 14644-1                                   |
| Ambient temperature                        | 0 ℃ 60 ℃   |
| Impact energy in the end positions         | 0.25 J   |
| Cushioning length                          | 1 mm   |
| Max. force Fy                              | 1142 N   |
| Max. force Fz                              | 1142 N   |
| Max. torque Mx                             | 18 Nm  |
| Max. torque My                             | 11 Nm  |
| Max. torque Mz                             | 11 Nm  |
| Theoretical force at 6 bar, retracting     | 104 N  |
| Theoretical force at 6 bar, advancing      | 121 N  |
| Moving mass                                | 320 g  |
| Product weight                             | 808 g  |

| Feature                 | Value                      |
|-------------------------|----------------------------|
| Alternative connections | See product drawing        |
| Type of mounting        | With through-hole          |
| Pneumatic connection    | M5                         |
| Note on materials       | RoHS-compliant             |
| Cover material          | Wrought aluminum alloy     |
| Seals material          | HNBR                       |
| Housing material        | Wrought aluminum alloy     |
| Piston rod material     | High-alloy stainless steel |