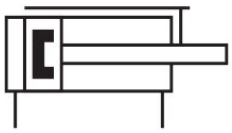
Mini slide
DGSL-12-100-Y3A

Part number: 543981





Data sheet

Feature	Value
Stroke	100 mm
Adjustable end-position range/front length	68 mm
Adjustable end-position range/rear length	25.5 mm
Piston diameter	16 mm
Drive unit operating mode	Yoke
Cushioning	Progressive pneumatic shock absorbers at both ends
Mounting position	Any
Guide	Ball bearing cage guide
Structural design	Yoke Piston Piston rod Slide
Position sensing	Via proximity switch
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar
Max. speed	0.8 m/s
Repetition accuracy	±0.01 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
Ambient temperature	0 °C...60 °C
Impact energy in the end positions	2 Nm
Cushioning length	10 mm
Max. force Fy	1340 N
Max. force Fz	1340 N
Max. torque Mx	20 Nm
Max. torque My	15 Nm
Max. torque Mz	15 Nm
Theoretical force at 6 bar, retracting	104 N
Theoretical force at 6 bar, advancing	121 N

Feature	Value
Moving mass	507 g
Product weight	1265 g
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