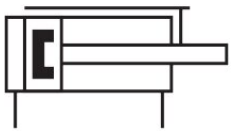
Mini slide
DGSL-20-100-PA

Part number: 544011





Data sheet

Feature	Value
Stroke	100 mm
Adjustable end-position range/front length	94.5 mm
Adjustable end-position range/rear length	49.5 mm
Piston diameter	25 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	Via proximity switch
Operating pressure	0.1 MPa...0.8 MPa 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 suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Impact energy in the end positions	0.45 Nm
Cushioning length	1.2 mm
Max. force Fy	4200 N
Max. force Fz	4200 N
Max. torque Mx	85 Nm
Max. torque My	80 Nm
Max. torque Mz	80 Nm
Theoretical force at 6 bar, retracting	247 N

Feature	Value
Theoretical force at 6 bar, advancing	295 N
Moving mass	1254 g
Product weight	3085 g
Alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	G1/8
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