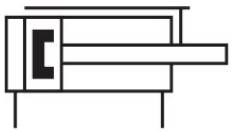
Mini slide
DGSL-20-100-P1A

Part number: 544020





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 with fixed stop
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
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	0.2 Nm
Cushioning length	5 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	3075 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