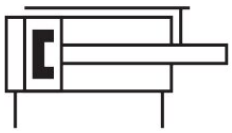
Mini slide
DGSL-8-20-PA

Part number: 543927





Data sheet

Feature	Value
Stroke	20 mm
Adjustable end-position range/front length	29.5 mm
Adjustable end-position range/rear length	18.5 mm
Piston diameter	10 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	0.15 MPa...0.8 MPa 1.5 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	0.08 Nm
Cushioning length	1.5 mm
Max. force Fy	745 N
Max. force Fz	745 N
Max. torque Mx	8 Nm
Max. torque My	5.5 Nm
Max. torque Mz	5.5 Nm
Theoretical force at 6 bar, retracting	40 N

Feature	Value
Theoretical force at 6 bar, advancing	47 N
Moving mass	111 g
Product weight	275 g
Alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	M3
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