

# Mini slide DGSL-20-20-PA

Part number: 544006

FESTO



## Data sheet

Feature	Value
Stroke	20 mm
Adjustable end position range/length front	50.5 mm
Adjustable end position range/length rear	49.5 mm
Piston diameter	25 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Guide	Ball bearing cage guide
Design	Yoke Piston Piston rod Slide
Position detection	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 to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Impact energy in end positions	0.45 Nm
Cushioning length	1.2 mm
Max. force F <sub>y</sub>	3143 N
Max. force F <sub>z</sub>	3143 N
Max. moment M <sub>x</sub>	60 Nm
Max. moment M <sub>y</sub>	30 Nm
Max. moment M <sub>z</sub>	30 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247 N

<b>Feature</b>	<b>Value</b>
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	295 N
Moving mass	710 g
Product weight	1813 g
alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel