

Mini slide DGSL-8-80-PA

Part number: 543931

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	80 mm
Adjustable end position range/length front	51.5 mm
Adjustable end position range/length rear	18.5 mm
Piston diameter	10 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Guide	Ball bearing cage guide
Design	Yoke Piston Piston rod Slide
Position detection	Via proximity switch
Symbol	00991263
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	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 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	0.08 J
Cushioning length	1.5 mm
Max. force F_y	971 N
Max. force F_z	971 N
Max. moment M_x	10 Nm
Max. moment M_y	8 Nm
Max. moment M_z	8 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	40 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	47 N
Moving mass	185 g
Product weight	466 g

Feature	Value
alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	M3
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