

Mini slide DGST-10-100-PA

Part number: 8085122

FESTO



Data sheet

Feature	Value
Stroke	100 mm
Adjustable end position range/length front	16.7 mm
Adjustable end position range/length rear	15.1 mm
Piston diameter	10 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Twin piston Yoke Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
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	1 - Low 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	-10 °C...60 °C
Impact energy in end positions	0.08 J
Cushioning length	1.5 mm
Max. force F _y	530 N
Max. force F _z	530 N
Max. moment M _x	6 Nm
Max. moment M _y	6 Nm

Feature	Value
Max. moment Mz	6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	79 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	94 N
Moving mass	280.7 g
Product weight	584.4 g
Type of mounting	With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material guide	POM TPE-E High-alloy steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel