

Mini slide DGST-12-50-PA

Part number: 8085127

FESTO



Data sheet

Feature	Value
Stroke	50 mm
Adjustable end position range/length front	22.1 mm
Adjustable end position range/length rear	20.8 mm
Piston diameter	12 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
Ambient temperature	-10 °C...60 °C
Impact energy in end positions	0.12 J
Cushioning length	1.3 mm
Max. force F _y	580 N
Max. force F _z	580 N
Max. moment M _x	7 Nm
Max. moment M _y	5.8 Nm
Max. moment M _z	5.8 Nm

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	102 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	136 N
Moving mass	313 g
Product weight	657 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