

# Mini slide SLS- 6-25-P-A

Part number: 170489

FESTO

Slim design with precision ball-bearing guide.



## Data sheet

Feature	Value
Stroke	25 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Yoke Piston Piston rod Ball cage guide Slide
Position detection	For proximity sensor
Operating pressure MPa	0.15 ... 1 MPa
Working pressure	1.5 ... 10 bar
Operating pressure	21.75 ... 145 psi
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-20 ... 60 °C
Impact energy in end positions	0.008 Nm
Max. force F <sub>y</sub>	150 N
Max. force F <sub>z</sub>	150 N
Max. torque M <sub>x</sub>	0.9 Nm
Max. torque M <sub>y</sub>	0.9 Nm
Max. torque M <sub>z</sub>	0.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	13 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	17 N
Moving mass	37 g
Product weight	131 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Anodised wrought aluminium alloy
Material of guide	Steel
Material housing	High alloy steel, non-corrosive