

# Mini slide DGST-10-50-Y12A

Part number: 8085168

FESTO



## Data sheet

Feature	Value
Stroke	50 mm
Adjustable end-position range/front length	16.2 mm
Adjustable end-position range/rear length	14.5 mm
Piston diameter	10 mm
Drive unit operating mode	Yoke
Cushioning	External hydraulic cushioning
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Twin piston Yoke Piston rod Slide
Position sensing	For proximity sensor
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	≤ 0.02 mm
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 °C...60 °C
Impact energy in the end positions	0.8 J
Cushioning length	4 mm
Max. force F <sub>y</sub>	510 N
Max. force F <sub>z</sub>	510 N
Max. torque M <sub>x</sub>	5 Nm
Max. torque M <sub>y</sub>	4.5 Nm
Max. torque M <sub>z</sub>	4.5 Nm
Theoretical force at 6 bar, retracting	79 N

<b>Feature</b>	<b>Value</b>
Theoretical force at 6 bar, advancing	94 N
Moving mass	187.2 g
Product weight	379.4 g
Type of mounting	With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	HNBR
Guide material	POM TPE-E High-alloy steel
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel