

# mini slide DGST-6-50-Y12A

Part number: 8085161

FESTO



## Data sheet

Feature	Value
Stroke	50 mm
Adjustable endposition range/front length	10.2 mm
Adjustable endposition range/rear length	10.2 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	Y12: external hydraulic cushioning
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	twin piston Yoke Piston rod Slide
Position detection	For proximity sensor
Operating pressure	1.5 ... 8 bar
Max. speed	0.5 m/s
Repetition accuracy	≤ 0,02 mm
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	1 - Low corrosion stress
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.09 Nm
Cushioning length	4 mm
Max. force F <sub>y</sub>	280 N
Max. force F <sub>z</sub>	280 N
Max. torque M <sub>x</sub>	1.4 Nm
Max. torque M <sub>y</sub>	1.2 Nm
Max. torque M <sub>z</sub>	1.2 Nm
Theoretical force at 6 bar, return stroke	25 N
Theoretical force at 6 bar, advance stroke	34 N
Moving mass	96.9 g
Product weight	179.8 g
Mounting type	with through hole
Pneumatic connection	M3
Materials note	Free of copper and PTFE Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	HNBR
Material of guide	POM TPE-E High alloy steel
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive