

# mini slide

## DGST-20-100-Y12A

Part number: 8085187

FESTO



### Data sheet

Feature	Value
Stroke	100 mm
Adjustable endposition range/front length	27 mm
Adjustable endposition range/rear length	26.5 mm
Piston diameter	20 mm
Operating mode of drive unit	Yoke
Cushioning	Y12: external hydraulic cushioning
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	twin piston Yoke Piston rod Slide
Position detection	For proximity sensor
Operating pressure	1 ... 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	1.9 Nm
Cushioning length	8 mm
Max. force F <sub>y</sub>	1,160 N
Max. force F <sub>z</sub>	1,160 N
Max. torque M <sub>x</sub>	18 Nm
Max. torque M <sub>y</sub>	11 Nm
Max. torque M <sub>z</sub>	11 Nm
Theoretical force at 6 bar, return stroke	317 N
Theoretical force at 6 bar, advance stroke	377 N
Moving mass	947 g
Product weight	2,076 g
Mounting type	with through hole
Pneumatic connection	G1/8
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