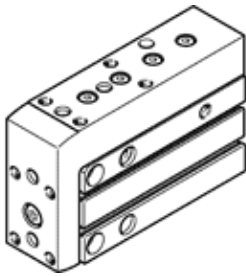


# Mini slide DGSS-20-50-E1A

Part number: 8164084

FESTO



## Data sheet

Feature	Value
Stroke	50 mm
Size	20
Piston diameter	20 mm
Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Yoke Piston rod Slide
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 0.8 MPa
Working pressure	1 ... 8 bar
Operating pressure	14.5 ... 116 psi
Max. speed	0.5 m/s
Repetition accuracy	≤ 0,3 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
PWIS conformity	VDMA24364-C1-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 6
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.05 J
Cushioning length	1 mm
Max. force F <sub>y</sub>	1,149 N
Max. force F <sub>z</sub>	1,149 N
Max. torque M <sub>x</sub>	7.5 Nm
Max. torque M <sub>y</sub>	3.7 Nm
Max. torque M <sub>z</sub>	3.7 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	158 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	188 N
Moving mass	235 g
Product weight	564 g
Mounting type	with through hole with internal (female) thread
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	NBR PU
Material of guide	NBR PA High alloy steel
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive