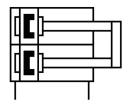
Mini slide DGST-10-20-PA

FESTO

Part number: 8085117





General operating condition

Data sheet

Feature	Value
Stroke	20 mm
Adjustable end-position range/front length	16.7 mm
Adjustable end-position range/rear length	15.1 mm
Piston diameter	10 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Twin piston Yoke Piston rod Slide
Position sensing	For proximity sensor
Symbol	00991249
Operating pressure	0.1 MPa 0.8 MPa
Operating pressure	1 bar 8 bar
Operating pressure	14.5 psi 116 psi
Max. speed	0.8 m/s
Repetition accuracy	<= 0.3 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
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C 60 °C
Impact energy in the end positions	0.08 J
Cushioning length	1.5 mm
Max. force Fy	480 N
Max. force Fz	480 N
Max. torque Mx	3 Nm
Max. torque My	3 Nm
Max. torque Mz	3 Nm
Theoretical force at 6 bar, retracting	79 N
Theoretical force at 6 bar, advancing	94 N

Feature	Value
Moving mass	145.7 g
Product weight	277.4 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