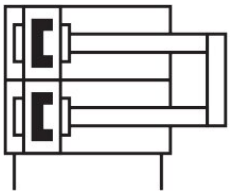
Mini slide
DGST-12-100-PA

Part number: 8085129





Data sheet

Feature	Value
Stroke	100 mm
Adjustable end-position range/front length	22.1 mm
Adjustable end-position range/rear length	20.8 mm
Piston diameter	12 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Double piston Yoke Piston rod Slide
Position sensing	Via proximity switch
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	<= 0.3 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 suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...60 °C
Impact energy in the end positions	0.12 J
Cushioning length	1.3 mm
Max. force Fy	620 N
Max. force Fz	620 N
Max. torque Mx	10 Nm
Max. torque My	6.8 Nm
Max. torque Mz	6.8 Nm

Feature	Value
Theoretical force at 6 bar, retracting	102 N
Theoretical force at 6 bar, advancing	136 N
Moving mass	488 g
Product weight	1034 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