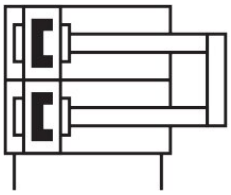
Mini slide
DGST-8-10-PA

Part number: 8085110





Data sheet

Feature	Value
Stroke	10 mm
Adjustable end position range/length front	10 mm
Adjustable end position range/length rear	10 mm
Piston diameter	8 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Twin piston Yoke Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar 21.75 psi...116 psi
Max. speed	0.8 m/s
Repetition accuracy	<= 0.3 mm
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 end positions	0.05 J
Cushioning length	1.5 mm
Max. force Fy	250 N
Max. force Fz	250 N
Max. moment Mx	2 Nm
Max. moment My	2 Nm

Feature	Value
Max. moment Mz	2 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	45 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	60 N
Moving mass	77.4 g
Product weight	145.8 g
Type of mounting	With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material guide	POM TPE-E High-alloy steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel