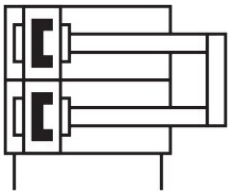
Mini slide
DGST-10-100-E1A

Part number: 8078845





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	10 mm
Operating mode, drive unit	Yoke
Cushioning	Elastomer cushioning, double-sided, stroke not adjustable
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Twin piston Yoke Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
Max. speed	0.5 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	1.6 mm
Max. force Fy	530 N
Max. force Fz	530 N
Max. moment Mx	6 Nm
Max. moment My	6 Nm
Max. moment Mz	6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	79 N

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	94 N
Moving mass	269 g
Product weight	561 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