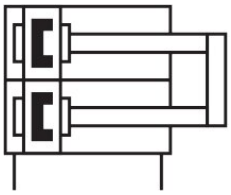
Mini slide
DGST-8-50-Y12A

Part number: 8085164



General operating condition

Data sheet

Feature	Value
Stroke	50 mm
Adjustable end position range/length front	17.6 mm
Adjustable end position range/length rear	15.7 mm
Piston diameter	8 mm
Operating mode, drive unit	Yoke
Cushioning	External hydraulic cushioning
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Yoke Piston rod Slide
Position detection	Via proximity switch
Symbol	00991249
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Operating pressure	21.75 psi ... 116 psi
Max. speed	0.8 m/s
Repetition accuracy	<= 0.02 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	0.4 J
Cushioning length	4 mm
Max. force Fy	350 N
Max. force Fz	350 N
Max. moment Mx	3.2 Nm
Max. moment My	3 Nm
Max. moment Mz	3 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

Feature	Value
Moving mass	129.8 g
Product weight	251.6 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