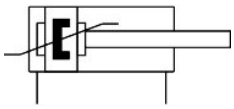
ISO cylinder
DSNU-25-500-PPS-A

Part number: 559294





Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	25 mm
Piston rod thread	M10x1.25
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Piston-rod end	Male thread
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
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	2 - Moderate 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	-20 °C...80 °C
Impact energy in end positions	0.3 J
Cushioning length	17 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247.4 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	294.5 N
Moving mass for 0 mm stroke	71 g
Additional moving mass per 10 mm stroke	6 g
Basic weight for 0 mm stroke	238 g
Additional weight per 10 mm stroke	11 g
Type of mounting	With accessories
Pneumatic connection	G1/8

Feature	Value
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy Colourless anodised
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel