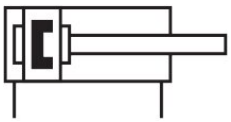
Standards-based cylinder
CRDSNU-16-50-P-A

Part number: 8152553





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Piston rod thread	M6
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Conforms to standard	ISO 6432
Piston-rod end	Male thread
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
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	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Suitable for use with food	See declaration of conformity
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.15 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	121 N
Moving mass for 0 mm stroke	21 g
Additional moving mass per 10 mm stroke	2 g
Basic weight for 0 mm stroke	130 g
Additional weight per 10 mm stroke	5 g
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant

Feature	Value
Material cover	High-alloy stainless steel
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel