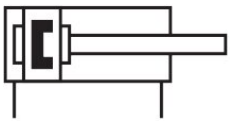
Standards-based cylinder
CRDSNU-16-50-P-A

Part number: 8152553





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Piston rod thread	M6
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 6432
Piston rod end	External thread
Structural design	Piston Piston rod Cylinder barrel
Position sensing	Via proximity switch
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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
For use in the food industry	See declaration of conformity
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	0.15 J
Theoretical force at 6 bar, retracting	104 N
Theoretical force at 6 bar, advancing	121 N
Moving mass at 0 mm stroke	21 g
Additional moving mass per 10 mm stroke	2 g
Basic weight with 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
Cover material	high-alloy stainless steel

Feature	Value
Piston rod material	high-alloy stainless steel
Material of cylinder barrel	high-alloy stainless steel