

# ISO cylinder CRDNGS-50- -PPV-A-S6

Part number: 185302

**FESTO**



## Data sheet

Feature	Value
Stroke	10 mm...2000 mm
Piston diameter	50 mm
Piston rod thread	M16x1.5
Based on standard	ISO 15552
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Piston-rod end	Male thread
Design	Piston Piston rod Swivel clevis Tie rod Cylinder barrel
Position detection	Via proximity switch
Variants	End cap with swivelling rod eye Heat-resistant seals max. 120°C
Operating pressure	0.06 MPa...1 MPa 0.6 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	4 - Very high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitable for use with food	See supplementary material information
Ambient temperature	0 °C...120 °C
Cushioning length	23 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Moving mass for 0 mm stroke	485 g
Additional moving mass per 10 mm stroke	25 g
Basic weight for 0 mm stroke	2419 g
Additional weight per 10 mm stroke	56 g

Feature	Value
Type of mounting	Via female thread With accessories Either:
Pneumatic connection	G1/4
Material cover	Stainless steel casting
Material seals	FPM
Material housing	High-alloy stainless steel
Material piston	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel
Material nut	High-alloy stainless steel
Material bearing	Metal polymer compound
Material collar nut	High-alloy stainless steel
Material tie rod	High-alloy stainless steel