

ISO cylinder CRDNGS-100- -PPV-A-S6

Part number: 185305

FESTO



[PDF](#) General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 2000 mm
Piston diameter	100 mm
Piston rod thread	M20x1.5
Based on standard	ISO 15552
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Piston-rod end	Male thread
Design	Piston Piston rod Swivel clevis Tie rod 1 Cylinder barrel
Position detection	Via proximity switch
Symbol	00991235
Variants	Heat-resistant seals max. 120°C
Operating pressure	0.06 MPa ... 1 MPa
Operating pressure	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	30 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	4712 N
Moving mass for 0 mm stroke	1310 g
Additional moving mass per 10 mm stroke	39 g
Basic weight for 0 mm stroke	8897 g
Additional weight per 10 mm stroke	99 g
Type of mounting	With female thread With accessories
Pneumatic connection	G1/2
Material cover	Cast stainless steel

Feature	Value
Material seals	Fluoro rubber
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