

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

Part number: 185305

FESTO



 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 norm	ISO 15552
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Piston rod end	External thread
Structural design	Piston Piston rod Pivoting clevis Tie rod Cylinder barrel
Position sensing	For proximity sensor
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 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)	4 - Particularly high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
For use in the food industry	See supplementary material information
Ambient temperature	0 °C ... 120 °C
Cushioning length	30 mm
Theoretical force at 6 bar, retracting	4418 N
Theoretical force at 6 bar, advancing	4712 N
Moving mass at 0 mm stroke	1310 g
Additional moving mass per 10 mm stroke	39 g
Basic weight with 0 mm stroke	8897 g
Additional weight per 10 mm stroke	99 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G1/2
Cover material	Cast stainless steel

Feature	Value
Seals material	FPM
Housing material	High-alloy stainless steel
Material of piston	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel
Nut material	High-alloy stainless steel
Material of bearing	Metal polymer compound
Collar nut material	High-alloy stainless steel
Tie rod material	High-alloy stainless steel