

# ISO cylinder CRDNG-100- -PPV-A-S2

Part number: 185287

FESTO



## Data sheet

Feature	Value
Stroke	10 mm...2000 mm
Piston diameter	100 mm
Piston rod thread	M20x1.5
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Tie rod Cylinder barrel
Position detection	Via proximity switch
Variants	Through piston rod
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	-20 °C...80 °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	4418 N
Moving mass for 0 mm stroke	1688 g
Additional moving mass per 10 mm stroke	78 g
Basic weight for 0 mm stroke	8772 g
Additional weight per 10 mm stroke	138 g
Type of mounting	Either: Via female thread With accessories

<b>Feature</b>	<b>Value</b>
Pneumatic connection	G1/2
Material cover	Stainless steel casting
Material seals	TPE-U(PU)
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	POM
Material collar nut	High-alloy stainless steel
Material tie rod	High-alloy stainless steel