

ISO cylinder CRDNGS-80- -PPV-A

Part number: 160894

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	80 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 Swivel clevis Tie rod 1 Cylinder barrel
Position sensing	Via proximity switch
Symbol	00991235
Variants	End cap with swiveling rod eye
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	-20 °C ... 80 °C
Cushioning length	30 mm
Theoretical force at 6 bar, retracting	2721 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	1018 g
Additional moving mass per 10 mm stroke	39 g
Basic weight with 0 mm stroke	5804 g
Additional weight per 10 mm stroke	92 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G3/8
Cover material	Cast stainless steel

Feature	Value
Seals material	TPE-U(PU)
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	POM
Collar nut material	high-alloy stainless steel
Tie rod material	high-alloy stainless steel