

ISO cylinder DSBC-100-40-PPSA-N3

Part number: 1384891

FESTO



Data sheet

Feature	Value
Stroke	40 mm
Piston diameter	100 mm
Piston rod thread	M20x1.5
Type code	DSBC
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Profile barrel Piston Piston rod
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	0.4 bar ... 12 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)	2 - Moderate corrosion stress
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	2.5 J
Cushioning length	31 mm
Theoretical force at 6 bar, retracting	4418 N
Theoretical force at 6 bar, advancing	4712 N
Moving mass at 0 mm stroke	1000 g
Additional weight per 10 mm stroke	101 g
Basic weight with 0 mm stroke	3665 g
Additional moving mass per 10 mm stroke	39 g
Type of mounting	With accessories With internal thread Optionally:
Pneumatic connection	G1/2
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum Coated
Seals material	TPE-U(PU)
Piston rod material	High-alloy steel

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Material of cylinder barrel	Wrought aluminum alloy Smooth anodized