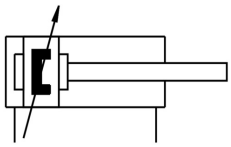
ISO cylinder
DSBC-80-100-PPVA-N3

Part number: 1383337





Data sheet

Feature	Value
Piston seal material	TPE-U(PU)
Piston rod wiper seal material	TPE-U(PU)
Cushion piston material	POM
Buffer seal material	TPE-U(PU)
Material of piston	Aluminium-Knetlegierung
Nut material	Stahl, verzinkt
Flange screws material	Stahl verzinkt
Material of bearing	POM
Stroke	100 mm
Piston diameter	80 mm
Piston rod thread	M20x1.5
Type code	DSBC
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston rod Profile barrel Piston
Position sensing	For proximity sensor
Symbol	00991235
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	1.8 J
Cushioning length	31 mm
Theoretical force at 6 bar, retracting	2721 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	810 g
Additional weight per 10 mm stroke	92 g
Basic weight with 0 mm stroke	2660 g
Additional moving mass per 10 mm stroke	39 g

Feature	Value
Type of mounting	With accessories With internal thread Optionally:
Pneumatic connection	G3/8
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy