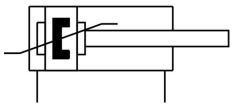
ISO cylinder
DSBF-C-50-40-PPSA-N3-R

Part number: 1780284





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	hochlegierter Stahl rostfrei
Flange screws material	Stahl verzinkt
Material of bearing	POM
Stroke	40 mm
Piston diameter	50 mm
Piston rod thread	M16x1,5
Type code	DSBF
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston rod Piston Profile barrel
Position sensing	For proximity sensor
Symbol	00992970
Operating pressure	0.6 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)	3 - High corrosion stress
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	1 J
Cushioning length	22 mm
Theoretical force at 6 bar, retracting	990 N
Theoretical force at 6 bar, advancing	1178 N
Moving mass at 0 mm stroke	363 g
Additional weight per 10 mm stroke	58 g
Basic weight with 0 mm stroke	1241 g
Additional moving mass per 10 mm stroke	25 g

Feature	Value
Type of mounting	With accessories With internal thread Optionally:
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy