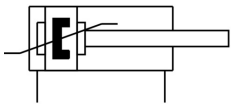
ISO cylinder
DSBC-50-40-D3-PPSA-N3

Part number: 3659494



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	Wrought aluminum alloy
Nut material	Steel, galvanized
Flange screws material	Steel, galvanized
Material of bearing	POM
Stroke	40 mm
Piston diameter	50 mm
Piston rod thread	M16x1.5
Type code	DSBC
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	0.4 bar ... 12 bar
Operating pressure	0.04 MPa ... 1.2 MPa
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 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	365 g
Additional weight per 10 mm stroke	56 g
Basic weight with 0 mm stroke	1190 g

Feature	Value
Additional moving mass per 10 mm stroke	25 g
Type of mounting	Optionally: With internal thread With accessories
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized