

Part number: 1463483  
 Order code 1 : DSBC-63-12-PPVA-N3

## Technical data

Feature name	Value
Stroke	12 mm
Piston diameter	63 mm
Piston rod thread	M16x1.5
Short 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 Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Ambient temperature	-20 - 80 °C
Impact energy in end positions	1.3 J
Cushioning length	0,000 - 22,000 mm
Mode of operation	Double-acting
Explosion protection certification outside the EU	EPL Db (GB)
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (required during subsequent operation)
Corrosion resistance class CRC	2 - moderate corrosion stress
LABS-Conformity	VDMA24364-B1/B2-L
Theoretical force at 6 bar, return stroke	1682 N
Theoretical force at 6 bar, advance stroke	1870 N
Product weight	1802 g
Basic weight for 0 mm stroke	1740 g
Additional weight per 10 mm stroke	62 g
Moving mass	455 g
Moving mass for 0 mm stroke	430 g
Additional moving mass per 10 mm stroke	25 g
Type of mounting	Optional: With female thread With accessories
Pneumatic connection	G3/8
Note on materials	RoHS compliant
Material cover	Die-cast aluminium, coated
Material piston seal	TPE-U(PU)
Material piston	Wrought aluminium alloy
Material piston rod	High-alloy steel
Material piston rod wiper seal	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushioning piston material	POM
Material cylinder barrel	Wrought aluminium alloy, smooth anodised
Material nut	Steel, galvanised
Materials information for bearing	POM
Material collar screws	Steel galvanised
Material information bellows	NBR