Part number: 1463475
Order code 1: DSBC-63-100-E1-PPVA

Technical data

Feature name	Value
Mode of operation	Double-acting
Short type code	DSBC
Variants	End-position locking at both ends Single-ended piston rod
Design	Piston Piston rod Profile barrel
Piston diameter	63 mm
Ambient temperature	-20 - 80 °C
Pneumatic connection	G3/8
Based on standard	ISO 15552
Position detection	For proximity sensor
Cushioning	pneumatic cushioning, adjustable at both ends
Cushioning length	MM
Type of mounting	Optional: With female thread With accessories
Mounting position	Any
Operating pressure (bar)	bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Corrosion resistance class CRC	- moderate corrosion stress
Note on materials	RoHS compliant
LABS-Conformity	VDMA24364-B1/B2-L
Unlocking pressure	>= 1,500 bar >= 0,150 MPa
Locking pressure	<= 0,500 bar <= 0,050 Mpa
Mode of operation end-position locking	Positive interlocking through stop cylinder Loosening through compressed air
Piston rod thread	M16x1.5
Operating pressure (MPa)	MPA
Note on operating and pilot medium	Lubricated operation possible (required during subsequent operation)
Explosion protection certification outside the EU	EPL Db (GB)
Material cylinder barrel	Wrought aluminium alloy, smooth anodised
Material cover	Die-cast aluminium, coated
Material piston rod	High-alloy steel
Material collar screws	Steel galvanised
Material piston	Wrought aluminium alloy
Materials information for spring	High-alloy stainless steel
Piston-rod end	External Thread
Materials information for bearing	Bronze
Material nut	Steel, galvanised
Material piston seal	TPE-U(PU)
Material piston rod wiper seal	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushioning piston material	POM
Mat. housing end-pos. locking	High-alloy steel
Mat. piston end-pos. locking	Steel, hardened
Material information bellows	NBR
Stroke	100mm
Product weight	124.74
Moving mass	455

Basic weight for 0 mm stroke	62.74
Additional weight per 10 mm stroke	62
Moving mass for 0 mm stroke	430
Additional moving mass per 10 mm stroke	25
Theoretical force at 6 bar, advance stroke	1870
Theoretical force at 6 bar, return stroke	1682
Impact energy in end positions	1.3
Axial backlash clamping unit	mm
Static holding force of end-position locking	2000
Axial backlash end-position locking	1.5mm