

Part number: 1463520
 Order code 1: DSBC-100-500-T-PPSA-N3
 Order-ID: C1793481

Technical data

Feature name	Value
Stroke	500 mm
Piston diameter	100 100 mm
Piston rod thread	M20x1.5
Short 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 detection	für Näherungsschalter For proximity switch
Variants	Through piston rod
Ambient temperature	-20...80 °C
Impact energy in the end positions	2.5 J
Operating mode	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Lubricated operation possible (required for further use)
Corrosion resistance class KBK	Moderate corrosion stress - 2
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing	4712 N
Product weight	11353 g
Moving mass	5416 g
Type of mounting	Alternatively: With internal thread "With accessories" means indirect mounting via an intermediate element.
Pneumatic connection	G1/2
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston seal material	TPE-U(PU)
Piston material	Wrought aluminum alloy
Piston rod material	High-alloy steel
Piston rod wiper seal material	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushioning boss material	POM
Cylinder barrel material	Wrought aluminum alloy, smooth-anodized
Nut material	Steel, galvanized
Bearing material	POM
Flange screws material	Steel, galvanized
Protective bellows material	NBR