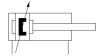
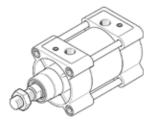
standards-based cylinder DSBG-125-40-PPVA-N3 Part number: 2159623







Data sheet

Feature	Value
Stroke	40 mm
Piston diameter	125 mm
Piston rod thread	M27x2
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design structure	Piston
	Piston rod
	Tie rod
	Cylinder barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.02 1 MPa
Operating pressure	0.2 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further
The control of the co	operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 80 °C
Impact energy in end positions	2.5]
Cushioning length	45 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	6,881 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	7,363 N
Moving mass	2,497 g
Moving mass with 0 mm stroke	2,447 g 2,245 g
Additional mass factor per 10 mm of stroke	63 g
Product weight	7,183 g
Basic weight for 0 mm stroke	6,611 g
Additional weight per 10 mm stroke	143 g
Mounting type	with internal (female) thread
Mounting type	with accessories
	Optional
Pneumatic connection	G1/2
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
Material cover Material piston seal	TPE-U(PU)
· ·	
Material piston Material piston rod	Wrought Aluminium alloy High alloy steel
Material piston rod Material piston rod wiper seal	TPE-U(PU)
Buffer seal material	TPE-U(PU)
	POM
Cushion piston material	
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	steel, galvanized
Material bearing	POM
Collar nut material	Galvanised steel
Material tie rod	High alloy steel