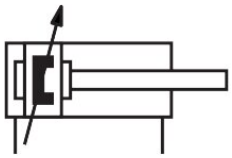
ISO cylinder
DSBG-63-50-PPVA-N3

Part number: 1646742





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	63 mm
Piston rod thread	M16x1.5
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Tie rod 1 Cylinder barrel
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.04 MPa...1.2 MPa 0.4 bar...12 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	1.3 J
Cushioning length	22 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1682 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1870 N
Moving mass	555 g
Moving mass for 0 mm stroke	430 g
Additional moving mass per 10 mm stroke	25 g
Product weight	2015 g
Basic weight for 0 mm stroke	1740 g
Additional weight per 10 mm stroke	55 g
Type of mounting	Either:

Feature	Value
	With female thread With accessories
Pneumatic connection	G3/8
Note on materials	RoHS compliant
Material cover	Coated die-cast aluminium
Material piston seal	TPE-U(PU)
Material piston	Wrought aluminium alloy
Material piston rod	High-alloy steel
Material piston rod wiper	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Material of cushioning boss	POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	Galvanised steel
Material bearing	POM
Material collar nut	Galvanised steel
Material tie rod	High-alloy steel