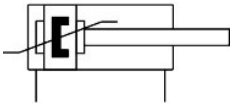
ISO cylinder
DSBF-C-63-320-PPSA-N3-R

Part number: 1780914



Data sheet

Feature	Value
Stroke	320 mm
Piston diameter	63 mm
Piston rod thread	M16x1.5
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	optional
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
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	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364-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	1260 g
Moving mass for 0 mm stroke	460 g
Additional moving mass per 10 mm stroke	25 g
Product weight	3883 g
Basic weight for 0 mm stroke	1803 g
Additional weight per 10 mm stroke	65 g
Type of mounting	Either: Via female thread With accessories

Feature	Value
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 stainless steel
Material piston rod wiper	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Material of cushioning boss	POM
Material cylinder barrel	Anodised wrought aluminium alloy
Material nut	High-alloy stainless steel
Material bearing	POM
Material collar screws	Galvanised steel