

# standards-based cylinder DSBF-C-63-500-PPSA-N3-R

Part number: 1780916

FESTO



## Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	63 mm
Piston rod thread	M16x1,5
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Operating pressure	0.4 ... 12 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 operation)
Corrosion resistance classification CRC	3 - High corrosion stress
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1.3 J
Cushioning length	22 mm
Theoretical force at 6 bar, return stroke	1,682 N
Theoretical force at 6 bar, advance stroke	1,870 N
Moving mass with 0 mm stroke	460 g
Additional weight per 10 mm stroke	65 g
Basic weight for 0 mm stroke	1,803 g
Additional mass factor per 10 mm of stroke	25 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
Material piston seal	TPE-U(PU)
Material piston	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material piston rod wiper seal	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushion piston material	POM
Material cylinder barrel	Anodised wrought aluminium alloy
Material nut	High alloy steel, non-corrosive
Material bearing	POM
Material of flange screw	steel, galvanized