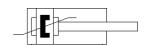
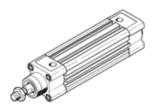
## standards-based cylinder DSBC-63-70-D3-PPSA-N3 Part number: 3657817

with self-adjusting pneumatic end position cushioning



**FESTO** 



## **Data sheet**

Feature	Value
Stroke	70 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
Variants	Single-ended piston rod
Operating pressure MPa	0.04 1.2 MPa
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	2 - Moderate corrosion stress
PWIS conformity	
Ambient temperature	VDMA24364-B1/B2-L -20 80 °C
Impact energy in end positions	1.3
Cushioning length	22 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1.682 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,870 N
Moving mass with 0 mm stroke	·
Additional mass factor per 10 mm of stroke	430 g 25 g
Basic weight for 0 mm stroke	1,774 g
Additional weight per 10 mm stroke	92 g
Mounting type	with internal (female) thread
Mounting type	with accessories
	Optional
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
	TPE-U(PU)
Material piston seal  Material piston	Wrought Aluminium alloy
•	High alloy steel
Material piston rod	TPE-U(PU)
Material piston rod wiper seal  Buffer seal material	TPE-U(PU)
Cushion piston material	POM
Material cylinder barrel	
•	Smooth-anodised wrought aluminium alloy
Material nut	steel, galvanized
Rod wiper seal material	TPE-E
Material bearing	Metal polymer compound
Material of flange screw	steel, galvanized