

ISO cylinder DSBG-32- -PPSA-N3

Part number: 1634560

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 2800 mm
Piston diameter	32 mm
Piston rod thread	M10x1.25
Cushioning	Self-adjusting pneumatic end-position cushioning
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
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	0.06 MPa ... 1.2 MPa
Operating pressure	0.6 bar ... 12 bar
Mode of operation	Double-acting
Explosion protection	Zone 21 (UKEX)
Explosion protection certification outside the EU	EPL Db (GB)
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
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	0.4 J
Cushioning length	17 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	415 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	483 N
Moving mass for 0 mm stroke	110 g
Additional moving mass per 10 mm stroke	9 g
Basic weight for 0 mm stroke	465 g
Additional weight per 10 mm stroke	25 g
Type of mounting	With female thread With accessories

Feature	Value
Pneumatic connection	G1/8
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