

ISO cylinder

DSBF-C-125-500-PPSA-N3-R

Part number: 1792964

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	125 mm
Piston rod thread	M27x2
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Symbol	00992970
Operating pressure	0.02 MPa ... 1 MPa
Operating pressure	0.2 bar ... 10 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	3.3 J
Cushioning length	45 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	6881 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	7363 N
Moving mass	5395 g
Moving mass for 0 mm stroke	2245 g
Additional moving mass per 10 mm stroke	63 g
Product weight	15078 g
Basic weight for 0 mm stroke	6928 g
Additional weight per 10 mm stroke	163 g
Type of mounting	With female thread With accessories
Pneumatic connection	G1/2
Note on materials	RoHS compliant
Material cover	Coated die-cast aluminium
Material piston seal	TPE-U(PU)

Feature	Value
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