

Compact cylinder AEN-S-25-5-I-P

Part number: 8076509

FESTO



 General operating condition

Data sheet

Feature	Value
Stroke	5 mm
Piston diameter	25 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Mode of operation	Pushing
Piston-rod end	Female thread
Design	Piston Piston rod
Symbol	00991730
Variants	Piston rod at one end
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Operating pressure	14.5 psi ... 145 psi
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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	0 °C ... 80 °C
Impact energy in end positions	0.09 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	18 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	259 N
Moving mass for 0 mm stroke	17 g
Additional moving mass per 10 mm stroke	6 g
Basic weight for 0 mm stroke	70 g
Additional weight per 10 mm stroke	30 g
Type of mounting	With through-hole With female thread With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant
Material cover	Anodised wrought aluminium alloy
Material dynamic seals	NBR
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel