

Compact cylinder AEN-S-6-5-A

Part number: 8080593

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	5 mm
Piston diameter	6 mm
Cushioning	No cushioning
Mounting position	Any
Mode of operation	Pushing
Piston-rod end	Male thread
Design	Piston Piston rod
Symbol	00991200
Variants	Piston rod at one end
Operating pressure	0.25 MPa ... 0.8 MPa
Operating pressure	2.5 bar ... 8 bar
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-B2-L
Ambient temperature	-10 °C ... 60 °C
Impact energy in end positions	0.006 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	13 N
Moving mass	1.5 g
Product weight	9.2 g
Type of mounting	With through-hole
Pneumatic connection	M3
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material dynamic seals	NBR TPE-U(PU)
Material housing	anodised
Material piston rod	High-alloy stainless steel