

# Compact cylinder AEN-S-40-25-I-P

Part number: 5149289

FESTO



## Data sheet

Feature	Value
Stroke	25 mm
Piston diameter	40 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Single-acting
Piston-rod end	Female thread
Design	Piston Piston rod
Variants	Additional PTFE piston guide
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar 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
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	0 °C...80 °C
Impact energy in end positions	0.32 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	54 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	754 N
Moving mass for 0 mm stroke	56 g
Additional moving mass per 10 mm stroke	9 g
Basic weight for 0 mm stroke	186 g
Additional weight per 10 mm stroke	45 g
Type of mounting	Either: With through-hole Via female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Anodised wrought aluminium alloy

<b>Feature</b>	<b>Value</b>
Material dynamic seals	NBR
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel