

Compact cylinder AEN-S-12-10-I-P-A

Part number: 8076477

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	12 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
Position detection	Via proximity switch
Symbol	00991729
Variants	Piston rod at one end
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	0 °C ... 80 °C
Impact energy in end positions	0.022 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	8 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	60 N
Moving mass for 0 mm stroke	6 g
Additional moving mass per 10 mm stroke	2 g
Basic weight for 0 mm stroke	33 g
Additional weight per 10 mm stroke	15 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 TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel