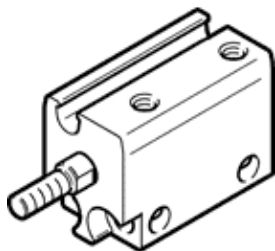


Compact cylinder

AEN-S-6-5-A-A

Part number: 8080591

FESTO



Data sheet

Feature	Value
Stroke	5 mm
Piston diameter	6 mm
Cushioning	No cushioning
Assembly position	Any
Mode of operation	pushing action
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.25 ... 0.8 MPa
Working pressure	2.5 ... 8 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.006 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	13 N
Moving mass	1.6 g
Product weight	10.9 g
Mounting type	with through hole
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Material housing	Wrought Aluminum alloy Anodized
Material piston rod	High alloy steel, non-corrosive