

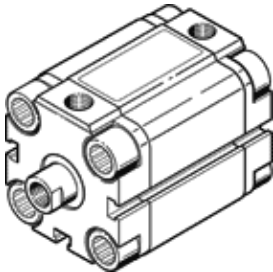
compact cylinder

ADVU-12-20-P-A

Part number: 156503
Classic - do not use for new projects

FESTO

For proximity sensing, piston-rod end with female thread.
Modern alternatives can be found by entering the first four characters of the type code in the search field.



Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	12 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Piston-rod end	Female thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure	1.2 ... 10 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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.07 J
Theoretical force at 6 bar, return stroke	51 N
Theoretical force at 6 bar, advance stroke	68 N
Moving mass with 0 mm stroke	8 g
Additional weight per 10 mm stroke	15 g
Basic weight for 0 mm stroke	87 g
Additional mass factor per 10 mm of stroke	2 g
Mounting type	with through hole with accessories Optional
Pneumatic connection	M5
Material of flange screw	High alloy steel, non-corrosive
Material cover	Wrought Aluminium alloy
Material of dynamic seals	NBR TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	Wrought Aluminium alloy