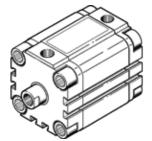
## **compact cylinder ADVU-50-25-P-A** Part number: 156553 Classic - do not use for new projects

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	25 mm
Piston diameter	50 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	0.8 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	0.64 J
Theoretical force at 6 bar, return stroke	1,057 N
Theoretical force at 6 bar, advance stroke	1,178 N
Moving mass with 0 mm stroke	112 g
Additional weight per 10 mm stroke	72 g
Basic weight for 0 mm stroke	560 g
Additional mass factor per 10 mm of stroke	16 g
Mounting type	with through hole
	with accessories
	Optional
Pneumatic connection	G1/8
Material of flange screw	steel, galvanized
Material cover	Wrought Aluminium alloy
Material of dynamic seals	NBR
	TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy



