

# Compact cylinder

## ADVU-50-80-A-P-A

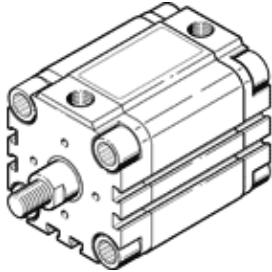
Part number: 156644

Classic - do not use for new projects

FESTO

For proximity sensing, piston-rod end with male 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	80 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	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.08 ... 1 MPa
Working pressure	0.8 ... 10 bar
Operating pressure	11.6 ... 145 psi
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-B1/B2-L
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.64 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,057 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,178 N
Moving mass with 0 mm stroke	112 g
Additional mass factor per 10 mm of stroke	16 g
Basic weight for 0 mm stroke	560 g
Additional weight per 10 mm stroke	72 g
Mounting type	with through hole with accessories Optional
Pneumatic connection	G1/8
Material of flange screw	steel, galvanized
Material cover	Wrought Aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminum alloy