

# Compact cylinder

## ADVULQ-20-40-A-P-A

Part number: 156778

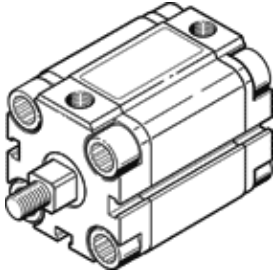
Classic - do not use for new projects

FESTO

For proximity sensing. Secured against rotation by means of square piston rod.

Modern alternatives can be found by entering the first four characters of the type code in the search field.

Type to be discontinued. Available until 2025. See Support Portal for alternative products.



### Data sheet

Feature	Value
Stroke	40 mm
Piston diameter	20 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
Protection against torque/guide	Square piston rod
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Operating pressure	14.5 ... 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	0.14 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	141 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	188 N
Moving mass with 0 mm stroke	20 g
Additional mass factor per 10 mm of stroke	6 g
Basic weight for 0 mm stroke	149 g
Additional weight per 10 mm stroke	23 g
Mounting type	with through hole with accessories Optional
Pneumatic connection	M5
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, non-corrosive
Material cylinder barrel	Wrought Aluminum alloy