

# compact cylinder

## ADVULQ-80-10-P-A

Part number: 156740

Classic - do not use for new projects

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

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

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### Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	80 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
Protection against torque/guide	Square piston rod
Operating pressure MPa	0.1 ... 1 MPa
Operating pressure	1 ... 10 bar 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	0.75 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass with 0 mm stroke	307 g
Additional mass factor per 10 mm of stroke	25 g
Basic weight for 0 mm stroke	1,772 g
Additional weight per 10 mm stroke	168 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