

# compact cylinder

## ADVU-25- -P-A-S1

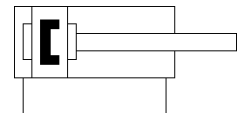
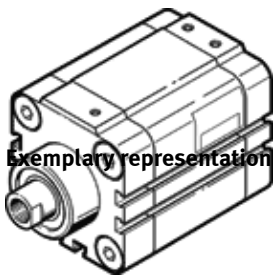
Part number: 161155  
 Classic - do not use for new projects



For proximity sensing, Piston-rod end with female thread  
 With this product, the flange mounting FUA-... can only be attached to the end-cap side.

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 2022. See Support Portal for alternative products.



### Data sheet

Feature	Value
Stroke	1 ... 500 mm
Piston diameter	25 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	reinforced piston rod
Operating pressure	0.8 ... 10 bar
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	0.1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	295 N
Moving mass with 0 mm stroke	26 g
Additional mass factor per 10 mm of stroke	6 g
Basic weight for 0 mm stroke	250 g
Additional weight per 10 mm stroke	36 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 Anodised
Material of dynamic seals	NBR TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised