

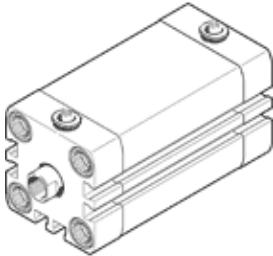
# Compact cylinder

## ADNP-50-50-I-P-A-QS-6

Part number: 539477

FESTO

Per ISO 21287, with position sensing and internal piston rod thread,  
with integrated QS push-in connector  
Type to be discontinued. Available until 2011.



### Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	50 mm
Piston rod thread	M10
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Piston-rod end	Female thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Working pressure	0.6 ... 10 bar
Mode of operation	double-acting
Operating medium	Dried compressed air, lubricated or unlubricated
Corrosion resistance classification CRC	2
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.8 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	94 g
Additional weight per 10 mm stroke	41 g
Basic weight for 0 mm stroke	380 g
Additional mass factor per 10 mm of stroke	6 g
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	QS-6
Materials note	Conforms to RoHS
Materials information for cover	PA-reinforced
Materials information for seals	TPE-U(PU)
Materials information for piston rod	Wrought Aluminum alloy Anodized
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized