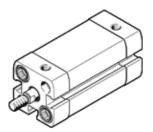
## compact cylinder ADN-20-10-A-PPS-A Part number: 577166

with self-adjusting pneumatic end position cushioning



## **Data sheet**

Feature	Value
Stroke	10 mm
Piston diameter	20 mm
Piston rod thread	M8
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Male thread
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure	1.5 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with IS08573-1:2010 [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
Ambient temperature	-20 80 °C
Impact energy in end positions	0.2 J
Cushioning length	3 mm
Theoretical force at 6 bar, return stroke	141 N
Theoretical force at 6 bar, advance stroke	188 N
Moving mass with 0 mm stroke	30 g
Additional weight per 10 mm stroke	21 g
Basic weight for 0 mm stroke	131 g
Additional mass factor per 10 mm of stroke	6 g
Mounting type	with through hole
	with internal (female) thread
	with accessories
	Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Aluminium
	Anodised
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy
	Smooth anodised

