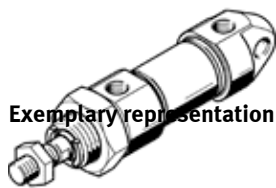


round cylinder CRDSNU-80

Part number: 8126418

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 500 mm
Piston diameter	80 mm
Piston rod thread	M20x1,5 M12
Cushioning	P: Flexible cushioning rings/plates at both ends PPS: Self-adjusting pneumatic end-position cushioning PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Piston-rod end	Male thread Female thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	For unlubricated operation EX protection approval (ATEX) Increased chemical resistance Extended male piston rod thread Female thread on piston rod Piston rod with special thread Extended piston rod Bearing cap without mounting thread lateral supply port Through piston rod Single-ended piston rod
Operating pressure MPa	0.1 ... 1 MPa
Mode of operation	double-acting
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120°C Db
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
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	4 - Very high corrosion stress
PWIS conformity	VDMA24364-B2-L
Food-safe	See Supplementary material information
Ambient temperature	-20 ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,721 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass with 0 mm stroke	860 g

Feature	Value
Additional mass factor per 10 mm of stroke	39 g
Basic weight for 0 mm stroke	5,891 g
Additional weight per 10 mm stroke	68 g
Mounting type	with accessories
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	High alloy steel, non-corrosive
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive