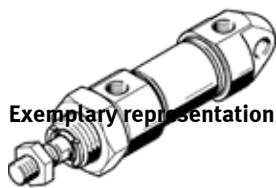


# Standards-based cylinder CRDSNU-20-

Part number: 552789

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 320 mm
Piston diameter	20 mm
Piston rod thread	M8 M4
Based on the standard	ISO 6432
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	Hard scraper For unlubricated operation Increased chemical resistance Extended male piston rod thread Extended piston rod Bearing cap without mounting thread lateral supply port Through piston rod Heat resistant seals, max. 120°C Temperature range -40 - 80 °C Single-ended piston rod
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Mode of operation	double-acting
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (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	3 - High corrosion stress
PWIS conformity	VDMA24364-B2-L
Food-safe	See Supplementary material information
Ambient temperature	-40 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	158 N

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	188 N
Moving mass with 0 mm stroke	42 g
Additional mass factor per 10 mm of stroke	4 g
Basic weight for 0 mm stroke	310 g
Additional weight per 10 mm stroke	7 g
Mounting type	with accessories
Pneumatic connection	G1/8
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