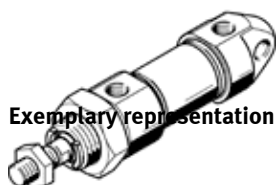


# standards-based cylinder

## CRDSNU-12-

Part number: 552787

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 200 mm
Piston diameter	12 mm
Piston rod thread	M6
Based on the standard	ISO 6432
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Piston-rod end	Male 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
Operating pressure	1 ... 10 bar
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	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	51 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	68 N
Moving mass with 0 mm stroke	19 g
Additional mass factor per 10 mm of stroke	2 g
Basic weight for 0 mm stroke	101 g

Feature	Value
Additional weight per 10 mm stroke	4 g
Mounting type	with accessories
Pneumatic connection	M5
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