

ISO cylinder CRDSNU-25-

Part number: 552790

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 500 mm
Piston diameter	25 mm 25 mm
Type code	CRDSNU CRDSNU
Based on norm	ISO 6432 ISO 6432
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends Self-adjusting pneumatic end-position cushioning Elastic cushioning rings/pads at both ends Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	Any Any
Design	Cylinder barrel Piston rod Piston Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor For proximity sensor
Variants	Through piston rod Extended piston rod Transverse supply port Increased chemical resistance Heat-resistant seals max. 120°C Hard scraper Piston rod at one end Temperature range -40 to 80 °C Bearing cover without mounting thread Extended external thread piston rod For unlubricated operation Hard scraper For unlubricated operation Increased chemical resistance Extended external thread piston rod Extended piston rod Bearing cover without mounting thread Transverse supply port Through piston rod Heat-resistant seals max. 120°C Temperature range -40 to 80 °C Piston rod at one end

Feature	Value
Operating pressure	1 bar ... 10 bar
Mode of operation	Double-acting
ATEX category gas	II 2G II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb Ex h IIC T4 Gb
ATEX category for dust	II 2D II 2D
Type of (ignition) protection for dust	Ex h IIIC T120°C Db Ex h IIIC T120°C Db
Explosive ambient temperature	-20°C ≤ Ta ≤ +60°C -20°C ≤ Ta ≤ +60°C
Explosion prevention and protection	Zone 21 (ATEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX) as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	3 - High corrosion stress 3 - High corrosion stress
For use in the food industry	See supplementary material information
Ambient temperature	-40 °C ... 120 °C
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Type of mounting	With accessories With accessories
Pneumatic connection	G1/8 G1/8
Note on materials	RoHS-compliant RoHS-compliant
Cover material	High-alloy stainless steel High-alloy stainless steel
Piston rod material	High-alloy stainless steel High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel High-alloy stainless steel