

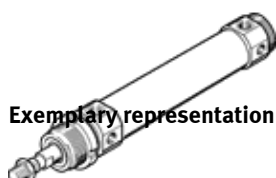
# Round cylinder CRDSW-50- -P-A

Part number: 160678

FESTO

Corrosion resistant,  
for proximity sensing. With elastic cushioning rings in end positions.  
These drives can be delivered on request with ATEX certification. The  
data on "ATEX identification", "ATEX ambient temperature" and "CE  
label" in the data sheet relate only to drives with certification.

Type to be discontinued. Available until 2012.



Exemplary representation

## Data sheet

Feature	Value
Stroke	10 ... 500 mm
Piston diameter	50 mm
Based on the standard	ISO 6431
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod
Position detection	For proximity sensor
Working pressure	1 ... 10 bar
Mode of operation	double-acting
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c 120°C
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)
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Corrosion resistance classification CRC	4
Ambient temperature	-20 ... 80 °C
Theoretical force at 6 bar, return stroke	990 N
Theoretical force at 6 bar, advance stroke	1,178 N
Additional weight per 10 mm stroke	0.035 g
Basic weight for 0 mm stroke	1,960 g
Mounting type	Optional with external (male) thread with accessories
Pneumatic connection	G1/4
Materials information for cover	High alloy steel, non-corrosive
Materials information for seals	TPE-U(PU)
Materials information, housing	High alloy steel, non-corrosive
Materials information for piston rod	High alloy steel, non-corrosive