



DSW-50--P-A-S3-B

Round cylinder

Feature	Data/description
Stroke	10 - 500 mm
Piston diameter	50 mm
Cushioning	Flexible cushioning rings or plates at both ends (P)
Assembly position	Any
Conforms to standard	ISO 6431
Design structure	Piston Piston rod Cylinder barrel
Position detection	with proximity sensor
Variants	S3: cylinder with corrosion and acid resistant piston rod, stainless steel piston rod nut, FCM wiper seal
Operating pressure	1 - 10 bar
Mode of operation	double-acting
Operating medium	Dried compressed air, lubricated or unlubricated
Corrosion resistance classification CRC	2
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	35 g
Basic weight for 0 mm stroke	1.277 g
Mounting type	with accessories
Pneumatic connection	G1/4
Materials information for cover	Wrought Aluminium alloy
Materials information for seals	TPE-U(PU) NBR

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Feature	Data/description
Materials information, housing	High alloy steel, non-corrosive
Materials information for piston rod	High alloy steel
ATEX ambient temperature	-20°C <= Ta <= +60°C
ATEX identification	II 2 GD c T4 T120°C
CE Symbol	In accordance with EU directive 94/9/EG (ATEX)