

# semi-rotary drive

## DSM-25-270-P1-HD-A-B

Part number: 1369118

FESTO



### Data sheet

Feature	Value
Size	25
Cushioning angle	7.5 deg
Rotation angle adjustment range	0 ... 246 deg
Swivel angle	0 ... 246 deg
Cushioning	P1: Flexible cushioning rings/plates with stop at both ends
Assembly position	Any
Fine adjustment	-6 deg
Mode of operation	double-acting
Design structure	Rotary vane
Position detection	For proximity sensor
Operating pressure MPa	0.2 ... 1 MPa
Operating pressure	2 ... 10 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	1.5 Hz
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:-:-]
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 ... 60 °C
Max. axial force	350 N
Max. radial force	450 N
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	5 Nm
Permissible mass moment of inertia	0.045 kgm <sup>2</sup>
Product weight	1,015 g
Mounting type	with internal (female) thread
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material of drive shaft	Steel Nickel plated
Material seals	TPE-U(PU)
Material housing	Wrought Aluminium alloy