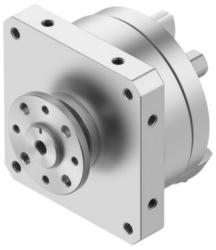
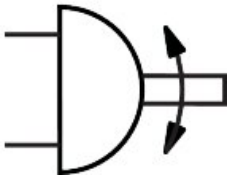
Rotary actuator
DSM-12-270-P-FW-A-B

Part number: 547571





Data sheet

Feature	Value
Size	12
Cushioning angle	1.8 deg
Adjustment range of swivel angle	0 deg...270 deg
Swivel angle	0 deg...270 deg
Permissible stop radius	15 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Precision adjustment	-6 deg
Mode of operation	Double-acting
Structural design	Rotary vane
Position sensing	Via proximity switch
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Max. swivel frequency at 6 bar	2 Hz
Repetition accuracy	1 deg
Operating medium	Compressed air as per ISO 8573-1:2010 [7:-:-]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...60 °C
Max. stop force	90 N
Max. axial force	18 N
Max. radial force	45 N
Theoretical torque at 6 bar	1.25 Nm
Permissible mass moment of inertia	0.005 kgm²
Product weight	293 g
Type of mounting	With internal thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Drive shaft material	Steel Nickel-plated

Feature	Value
Seals material	TPE-U(PU)
Housing material	Anodized aluminum