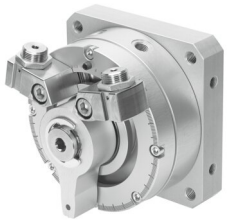
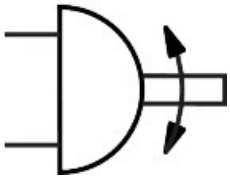
Rotary actuator
DSM-16-270-P-A-B

Part number: 547574





General operating condition

Data sheet

Feature	Value
Size	16
Cushioning angle	1.4 deg
Adjustment range of swivel angle	0 deg ... 270 deg
Swivel angle	0 deg ... 270 deg
Permissible stop radius	≥17 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	For proximity sensor
Symbol	00991265
Operating pressure	0.18 MPa ... 1 MPa
Operating pressure	1.8 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 class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 60 °C
Max. stop force	160 N
Max. axial force	30 N
Max. radial force	75 N
Theoretical torque at 6 bar	2.5 Nm
Permissible mass moment of inertia	0.01 kgm²
Product weight	470 g
Type of mounting	With internal thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Drive shaft material	Steel Nickel-plated
Seals material	TPE-U(PU)

Feature	Value
Housing material	Wrought aluminum alloy