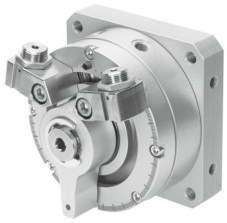
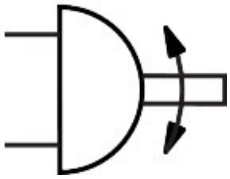
Semi-rotary drive
DSM-12-270-P-A-B

Part number: 547570





Data sheet

Feature	Value
Size	12
Cushioning angle	1.8 deg
Rotation angle adjustment range	0 deg...270 deg
Swivel angle	0 deg...270 deg
Permissible stop radius	15 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Fine adjustment	-6 deg
Mode of operation	Double-acting
Design	Vane
Position detection	Via proximity switch
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	2 Hz
Repetition accuracy	1 deg
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 0.6 MPa (6 bar, 87 psi)	1.25 Nm
Permissible mass moment of inertia	0.005 kgm²
Product weight	275 g
Type of mounting	With female thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Material drive shaft	Steel

Feature	Value
	nickel-plated
Material seals	TPE-U(PU)
Material housing	Anodised aluminium