

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

Part number: 547571

FESTO



 General operating condition

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	optional
Fine adjustment	-6 deg
Mode of operation	Double-acting
Design	Vane
Position detection	Via proximity switch
Symbol	00991265
Operating pressure	0.2 MPa ... 1 MPa
Operating pressure	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 class	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 kgm ²
Product weight	293 g
Type of mounting	Via female thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material drive shaft	Steel Nickel-plated
Material seals	TPE-U(PU)

Feature	Value
Material housing	Wrought aluminium alloy