

Semi-rotary drive DSM-63-270-P1-A-B

Part number: 566213

FESTO



Data sheet

Feature	Value
Size	63
Cushioning angle	6 deg
Rotation angle adjustment range	0 deg...240 deg
Swivel angle	0 deg...240 deg
Cushioning	Elastic cushioning rings/pads at both ends with fixed stop
Mounting position	optional
Fine adjustment	-6 deg
Mode of operation	Double-acting
Design	Vane
Position detection	Via proximity switch
Operating pressure	0.15 MPa...1 MPa 1.5 bar...10 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	1.6 Hz
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 °C...60 °C
Max. axial force	500 N
Max. radial force	500 N
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	40 Nm
Permissible mass moment of inertia	0.45 kgm ²
Product weight	5090 g
Type of mounting	Via female thread
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Material drive shaft	Steel Nickel-plated
Material seals	TPE-U(PU)
Material housing	Wrought aluminium alloy