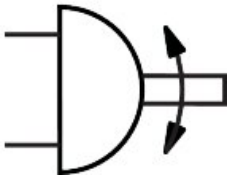
Semi-rotary drive
DSM-63-270-P1-A-B

Part number: 566213





Data sheet

Feature	Value
Size	63
Cushioning angle	6 deg
Rotation angle adjustment range	0 deg...240 deg
Swivel angle	0 deg...240 deg
Permissible stop radius	50 mm
Cushioning	Elastic cushioning rings/pads at both ends with fixed stop
Mounting position	Any
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
Repetition accuracy	0.1 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
Ambient temperature	-10 °C...60 °C
Max. stop force	1050 N
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 kgm²
Product weight	5090 g
Type of mounting	With female thread
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material drive shaft	Steel nickel-plated

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