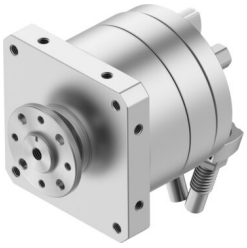
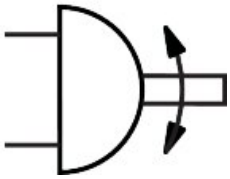
Semi-rotary drive
DSM-T-12-270-CC-FW-A-B

Part number: 1145089





Data sheet

Feature	Value
Size	12
Cushioning angle	15 deg
Rotation angle adjustment range	0 deg...246 deg
Swivel angle	0 deg...246 deg
Permissible stop radius	15 mm
Cushioning	Shock absorber at both ends
Mounting position	Any
Fine adjustment	-3 deg
Mode of operation	Double-acting
Design	Vane
Position detection	Via proximity switch
Operating pressure	0.25 MPa...1 MPa 2.5 bar...10 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	1.5 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-B2-L
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)	2.5 Nm
Permissible mass moment of inertia	0.008 kgm²
Product weight	390 g
Type of mounting	With female thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Material drive shaft	Steel nickel-plated

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