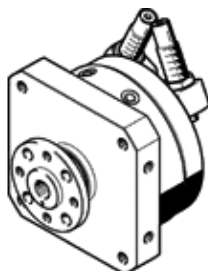


# semi-rotary drive DSM-16-270-CC-FW-A-B

Part number: 547577

FESTO

with flanged shaft, shock absorbers at both ends and position sensing



## Data sheet

Feature	Value
Size	16
Cushioning angle	12 deg
Rotation angle adjustment range	0 ... 246 deg
Swivel angle	0 ... 246 deg
Cushioning	CC: Shock absorber at both ends
Assembly position	Any
Fine adjustment	-3 deg
Mode of operation	double-acting
Design structure	Rotary vane
Position detection	For proximity sensor
Operating pressure MPa	0.18 ... 1 MPa
Operating pressure	1.8 ... 10 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	1 Hz
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:-:-]
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 ... 60 °C
Max. axial force	30 N
Max. radial force	75 N
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	2.5 Nm
Permissible mass moment of inertia	0.02 kgm <sup>2</sup>
Product weight	520 g
Mounting type	with internal (female) thread
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material of drive shaft	Steel Nickel plated
Material seals	TPE-U(PU)
Material housing	Wrought Aluminium alloy