

# Rotary actuator DSM-6-180-P-A-FW

Part number: 185931

FESTO



 General operating condition

## Data sheet

Feature	Value
Size	6
Cushioning angle	0.5 deg
Swivel angle	0 deg ... 180 deg
Permissible stop radius	≥10 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Rotary vane
Position sensing	For proximity sensor
Symbol	00991265
Operating pressure	0.35 MPa ... 0.8 MPa
Operating pressure	3.5 bar ... 8 bar
Max. swivel frequency at 6 bar	3 Hz
Repetition accuracy	1 deg
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	0 °C ... 60 °C
Max. stop force	15 N
Max. axial force	10 N
Max. radial force	15 N
Theoretical torque at 6 bar	0.15 Nm
Permissible mass moment of inertia	6.5E-4 kgm <sup>2</sup>
Product weight	56 g
Type of mounting	With internal thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Drive shaft material	High-alloy stainless steel
Seals material	TPE-U(PU)
Housing material	Anodized