

Semi-rotary drive DRRS-12-180-FH-Y9A

Part number: 8163608

FESTO



Data sheet

Feature	Value
Size	12
Cushioning angle	34.7 deg
Setting range of swivel angle for each end position	+10 /-100 deg
Axial eccentricity of plate	0.05 mm
Swivel angle	180 deg
Min. swivel angle	80 deg
Max. swivel angle	200 deg
Cushioning	Internal hydraulic cushioning normal
Mounting position	Any
Structural design	Gear rack/pinion
Position sensing	For proximity sensor
Operating pressure	0.2 MPa...0.8 MPa 2 bar...8 bar
Repetition accuracy	0.05 deg
Mode of operation	Double-acting
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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-C1-L
Suitability for the production of Li-ion batteries	Suitable for battery production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Cleanroom class	Class 9 according to ISO 14644-1
Storage temperature	-20 °C...60 °C
Ambient temperature	0 °C...60 °C
Theoretical torque at 6 bar	0.9 Nm
Permissible mass moment of inertia	0.1 kgm ²
Max. bending moment	2 Nm
Max. axial load static	80 N
Product weight	310 g

Feature	Value
Type of mounting	Optionally: With mounting kit With through-hole With internal thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Drive shaft material	Tempered steel
Seals material	NBR TPE-U(PU)
Housing material	Aluminum, anodized
Flange shaft material	Wrought aluminum alloy
Pinion material	Tempered steel