

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

Part number: 8163608

FESTO



 General operating condition

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
Symbol	00991265
Operating pressure	0.2 MPa ... 0.8 MPa
Operating pressure	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 with reduced Cu/Zn/Ni values (F1a)
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	0.01 kgm ²
Max. bending moment	2 Nm
Max. axial load static	80 N
Product weight	310 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Drive shaft material	Tempered steel

Feature	Value
Seals material	NBR TPE-U(PU)
Housing material	Aluminum, anodized
Flange shaft material	Wrought aluminum alloy
Pinion material	Tempered steel