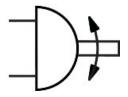
Semi-rotary drive DRRS-20-180-FH-Y9A Part number: 8163612







General operating condition

Data sheet

Feature	Value
Size	20
Cushioning angle	32.8 deg
Setting range of swivel angle for each end position	+10 /-100 deg
Axial eccentricity of plate	⟨0.07 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	0.07 deg
Mode of operation	Double-acting 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	3.3 Nm
Permissible mass moment of inertia	0.03 kgm²
Max. bending moment	5 Nm
Max. axial load static	350 N
Product weight	790 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	M5
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