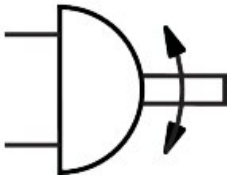
Semi-rotary drive
DRRS-12-180-FH-PA

Part number: 8163607





Data sheet

Feature	Value
Size	12
Cushioning angle	23.5 deg
Setting range of swivel angle for each end position	+10 /-100 deg
Axial eccentricity poppet valve	0.05 mm
Swivel angle	180 deg
Min. swivel angle	45 deg
Max. swivel angle	200 deg
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Design	Rack and pinion
Position detection	Via proximity switch
Operating pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Repetition accuracy	0.05 deg
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 suitability, measured according to ISO 14644-14	Class 9 according to ISO 14644-1
Storage temperature	-20 °C...60 °C
Ambient temperature	0 °C...60 °C
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	0.9 Nm
Permissible mass moment of inertia	0.005 kgm²
Max. bending moment	2 Nm
Max. axial load static	80 N
Product weight	310 g
Type of mounting	Either: With mounting kit With through-hole

Feature	Value
	With female thread
Pneumatic connection	M3
Note on materials	RoHS compliant
Material seals	NBR TPE-U(PU)
Material housing	Anodised aluminium
Flange shaft material	Wrought aluminium alloy
Pinion material	Tempered steel