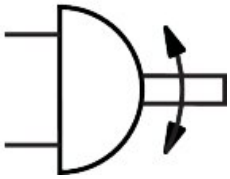
Rotary actuator
DRVS-16-180-P-EX4

Part number: 2536491





Data sheet

Feature	Value
Size	16
Cushioning angle	0.5 deg
Swivel angle	0 deg...180 deg
Permissible stop radius	17 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Rotary vane
Position sensing	Via proximity switch
Variants	Spigot shaft
Operating pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
Max. swivel frequency at 6 bar	3 Hz
Repetition accuracy	1 deg
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T4 Gb X
Type of (ignition) protection for dust	Ex h IIIC T120°C Db X
Explosive ambient temperature	0°C <= Ta <= +60°C
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-B2-L

Feature	Value
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 5 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Max. stop force	160 N
Max. axial force	25 N
Max. radial force	30 N
Theoretical torque at 6 bar	2 Nm
Permissible mass moment of inertia	0.01 kgm²
Product weight	270 g
Type of mounting	With internal thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Drive shaft material	Steel, nickel-plated
Seals material	TPE-U(PU)
Housing material	Die cast aluminum, painted