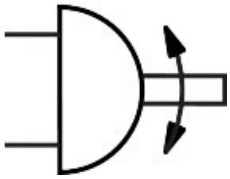
Semi-rotary drive
DRVS-16-90-P-EX4

Part number: 2536490





Data sheet

Feature	Value
Size	16
Cushioning angle	0.5 deg
Swivel angle	0 deg...90 deg
Permissible stop radius	17 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Mode of operation	Double-acting
Design	Vane
Position detection	Via proximity switch
Variants	Spigot shaft
Operating pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	3 Hz
Repetition accuracy	1 deg
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion 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 dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T4 Gb X
Explosion ignition protection type for dust	Ex h IIIC T120°C Db X
Explosion ambient temperature	0°C <= Ta <= +60°C
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

Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-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 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 0.6 MPa (6 bar, 87 psi)	2 Nm
Permissible mass moment of inertia	0.01 kgm²
Product weight	272 g
Type of mounting	With female thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Material drive shaft	Nickel-plated steel
Material seals	TPE-U(PU)
Material housing	Painted die cast aluminium