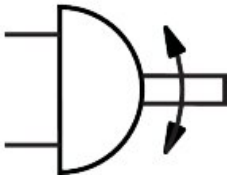
# Semi-rotary drive
# DRVS-16-180-P-EX4

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/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<br>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)<br>EPL Gb (GB) |
| Explosion protection | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>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 | 270 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 |