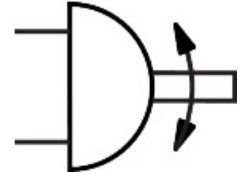



# Semi-rotary drive DSM-8-180-P-FF

Part number: 175828

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 8  |
| Cushioning angle                                 | 0 deg  |
| Rotation angle adjustment range                  | 0 deg ... 180 deg  |
| Swivel angle                                     | 0 deg ... 180 deg  |
| Mounting position                                | optional   |
| Fine adjustment                                  | -5 deg   |
| Mode of operation                                | Double-acting  |
| Design   | Vane   |
| Position detection                               | Without  |
| Symbol   | 00991265   |
| Operating pressure                               | 3.5 bar ... 8 bar  |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 3 Hz   |
| 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) |
| LABS (PWIS) conformity                           | VDMA24364-B1/B2-L  |
| Ambient temperature                              | 0 °C ... 60 °C   |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 0.35 Nm  |
| Permissible mass moment of inertia               | 0.0013 kgm <sup>2</sup>  |
| Product weight                                   | 140 g  |
| Type of mounting                                 | Via female thread  |
| Pneumatic connection                             | M3   |
| Note on materials                                | RoHS-compliant   |
| Material drive shaft                             | High-alloy stainless steel   |
| Material seals                                   | TPE-U(PU)  |
| Material housing                                 | Anodised   |