

# Semi-rotary drive DSM-10-240-P-A-FF

Part number: 175832

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 10   |
| Cushioning angle                                 | 0 deg  |
| Rotation angle adjustment range                  | 0 deg ... 200 deg  |
| Swivel angle                                     | 0 deg ... 200 deg  |
| Permissible stop radius                          | ≥13 mm   |
| Mounting position                                | optional   |
| Fine adjustment                                  | -5 deg   |
| Mode of operation                                | Double-acting  |
| Design   | Vane   |
| Position detection                               | Via proximity switch   |
| Symbol   | 00991265   |
| Operating pressure                               | 0.25 MPa ... 0.8 MPa   |
| Operating pressure                               | 2.5 bar ... 8 bar  |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 2 Hz   |
| Repetition accuracy                              | 1 deg  |
| 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                   | 0 - No corrosion stress  |
| LABS (PWIS) conformity                           | VDMA24364-B1/B2-L  |
| Ambient temperature                              | 0 °C ... 60 °C   |
| Max. stop force                                  | 60 N   |
| Max. axial force                                 | 10 N   |
| Max. radial force                                | 30 N   |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 0.85 Nm  |
| Permissible mass moment of inertia               | 0.0026 kgm <sup>2</sup>  |
| Product weight                                   | 255 g  |
| Type of mounting                                 | Via female thread  |
| Pneumatic connection                             | M3   |
| Material covering                                | PA-reinforced  |
| Note on materials                                | RoHS-compliant   |
| Material drive shaft                             | High-alloy stainless steel   |
| Material seals                                   | TPE-U(PU)  |
| Material housing                                 | Anodised   |