## swivel/linear unit DSL-40-100-270-CC-A-S20-KF-B

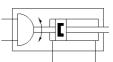
Part number: 556754

For proximity sensing. Rotary and linear movement can be actuated independently of one another. Rotary movement of  $0^\circ$  - 270° infinitely adjustable.

## 

## **Data sheet**

| Feature  | Value  |
|--|--|
| Cushioning angle   | 16 deg   |
| Rotation angle adjustment range                          | 0 240 deg  |
| Stroke   | 100 mm   |
| Piston diameter  | 40 mm  |
| Swivel angle   | 0 240 deg  |
| Cushioning   | CC: Shock absorber at both ends                                  |
|  | P: Flexible cushioning rings/plates at both ends                 |
| Assembly position  | Any  |
| Fine adjustment  | -3 deg   |
| Mode of operation  | double-acting  |
| Design structure   | Rotary vane  |
| Position detection                                       | For proximity sensor   |
| Variants   | Through, hollow piston rod                                       |
| Protection against torque/guide                          | with ball-bearing guide  |
| Operating pressure                                       | 2.5 8 bar  |
| Max. impact speed  | 500 mm/s   |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)         | 0.7 Hz   |
| Swivel angle backlash                                    | 0.05 deg   |
| Repetition accuracy                                      | 0.1 deg  |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:4:4]         |
| Note on operating and pilot medium                       | Lubricated operation possible (subsequently required for further |
|  | operation)   |
| Corrosion resistance classification CRC                  | 1 - Low corrosion stress   |
| PWIS conformity  | VDMA24364-B2-L   |
| Ambient temperature                                      | -10 60 °C  |
| Dynamic load torque                                      | 5.4 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 495 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 603 N  |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)            | 20 Nm  |
| Permissible mass moment of inertia                       | 0.004 kgm2   |
| Product weight   | 5,350 g  |
| Basic weight for 0 mm stroke                             | 5,350 g  |
| Additional weight per 10 mm stroke                       | 175 g  |
| Mounting type  | Clamped in T-slot  |
|  | with external (male) thread                                      |
|  | Optional   |
| Pneumatic connection                                     | G1/8   |
| Material cover   | Wrought Aluminium alloy  |
|  | Anodised   |
| Material seals   | TPE-U(PU)  |
| Material housing   | Aluminium  |
|  | Smooth anodised  |
| Material piston rod                                      | Heat-treatment steel   |



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