

# Linear/swivel clamp CLR-50-50-L-P-A

Part number: 535463

FESTO



 General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Total stroke                                          | 71 mm                                                                                      |
| Piston diameter                                       | 50 mm                                                                                      |
| Piston rod thread                                     | M10                                                                                        |
| Swivel angle                                          | 90 deg +/- 2 deg                                                                           |
| Clamping stroke                                       | 50 mm                                                                                      |
| Cushioning                                            | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                     | optional                                                                                   |
| Design                                                | Piston<br>Piston rod<br>Cylinder barrel                                                    |
| Position detection                                    | Via proximity switch                                                                       |
| Swivel direction                                      | Left                                                                                       |
| Symbol                                                | 00991217                                                                                   |
| Operating pressure                                    | 2 bar ... 10 bar                                                                           |
| Mode of operation                                     | Double-acting                                                                              |
| 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                        | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                | VDMA24364-B2-L                                                                             |
| Ambient temperature                                   | -10 °C ... 80 °C                                                                           |
| Effective clamping force at 0.2 MPa (2 bar, 29 psi)   | 271 N                                                                                      |
| Effective clamping force at 0.4 MPa (4 bar, 58 psi)   | 508 N                                                                                      |
| Effective clamping force at 0.6 MPa (6 bar, 87 psi)   | 716 N                                                                                      |
| Max. tightening torque Clamping finger screw          | 47 Nm                                                                                      |
| Theoretical clamping force at 0.6 MPa (6 bar, 87 psi) | 990 N                                                                                      |
| Product weight                                        | 2115 g                                                                                     |
| Type of mounting                                      | Either:<br>With through-hole<br>Via female thread<br>With accessories                      |
| Pneumatic connection                                  | G1/8                                                                                       |
| Material collar screws                                | Steel<br>Galvanised                                                                        |
| Material cover                                        | Wrought aluminium alloy<br>Coated                                                          |
| Material seals                                        | NBR<br>TPE-U(PU)                                                                           |

| Feature                  | Value                                      |
|--------------------------|--------------------------------------------|
| Material housing         | Smooth anodised                            |
| Material piston rod      | High-alloy stainless steel                 |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth anodised |