

# Swing clamp cylinder CLR-63-50-R-P-A

Part number: 535468

FESTO



 General operating condition

## Data sheet

| Feature                                      | Value  |
|--|--|
| Complete stroke                              | 73 mm  |
| Piston diameter                              | 63 mm  |
| Piston rod thread                            | M10  |
| Swivel angle                                 | 90 deg +/- 2 deg   |
| Clamping stroke                              | 50 mm  |
| Cushioning                                   | Elastic cushioning rings/pads at both ends                         |
| Mounting position                            | Any  |
| Structural design                            | Piston<br>Piston rod<br>Cylinder barrel                            |
| Position sensing                             | Via proximity switch   |
| Swivel direction                             | right hand   |
| Symbol                                       | 00991217   |
| Operating pressure                           | 2 bar ... 10 bar   |
| Mode of operation                            | Double-acting  |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media     | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)             | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                       | VDMA24364-B2-L   |
| Ambient temperature                          | -10 °C ... 80 °C   |
| Effective clamping force at 2 bar            | 441 N  |
| Effective clamping force at 4 bar            | 823 N  |
| Effective clamping force at 6 bar            | 1386 N   |
| Max. clamping finger screw tightening torque | 47 Nm  |
| Theoretical clamping force at 6 bar          | 1682 N   |
| Product weight                               | 2635 g   |
| Type of mounting                             | With through-hole<br>With internal thread<br>With accessories      |
| Pneumatic connection                         | G1/8   |
| Flange screws material                       | Steel<br>Galvanized  |
| Cover material                               | Wrought aluminum alloy<br>Coated                                   |
| Seals material                               | NBR<br>TPE-U(PU)   |
| Housing material                             | Smooth-anodized  |
| Piston rod material                          | high-alloy stainless steel   |

| Feature                     | Value                                     |
|-----------------------------|---|
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth-anodized |