

# Swing clamp cylinder CLR-12-20-R-P-A

Part number: 535433

**FESTO**



 General operating condition

## Data sheet

| Feature                                      | Value                                                              |
|----------------------------------------------|--------------------------------------------------------------------|
| Complete stroke                              | 29 mm                                                              |
| Piston diameter                              | 12 mm                                                              |
| Piston rod thread                            | M3                                                                 |
| Swivel angle                                 | 90 deg +/- 4 deg                                                   |
| Clamping stroke                              | 20 mm                                                              |
| Cushioning                                   | Elastic cushioning rings/pads at both ends                         |
| Mounting position                            | Any                                                                |
| Structural design                            | Piston<br>Piston rod<br>Cylinder barrel                            |
| Position sensing                             | For proximity sensor                                               |
| Swivel direction                             | Right                                                              |
| 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            | 12 N                                                               |
| Effective clamping force at 4 bar            | 23 N                                                               |
| Effective clamping force at 6 bar            | 34 N                                                               |
| Max. clamping finger screw tightening torque | 1.2 Nm                                                             |
| Theoretical clamping force at 6 bar          | 51 N                                                               |
| Product weight                               | 160 g                                                              |
| Type of mounting                             | With through-hole<br>With internal thread<br>With accessories      |
| Pneumatic connection                         | M5                                                                 |
| 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 |