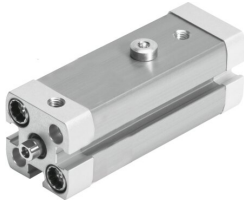


# Swing clamp cylinder CLR-12-20-L-P-A

Part number: 535434

**FESTO**



## 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                             | Via proximity switch                                                            |
| Swivel direction                             | left hand                                                                       |
| 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                             | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection                         | M5                                                                              |
| Flange screws material                       | Steel<br>Galvanized                                                             |
| Cover material                               | Wrought aluminum alloy                                                          |

| Feature                     | Value                                     |
|-----------------------------|-------------------------------------------|
|                             | Coated                                    |
| Seals material              | NBR<br>TPE-U(PU)                          |
| Housing material            | Wrought aluminum alloy<br>Smooth-anodized |
| Piston rod material         | high-alloy stainless steel                |
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth-anodized |