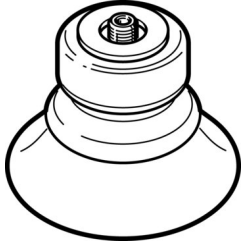


# Suction cup with connection ESS-50-BU

Part number: 189391

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                     | Value   |
|---|---|
| Height compensator for suction cup          | 11 mm   |
| Min. workpiece radius                       | 150 mm  |
| Nominal size                                | 3 mm  |
| Suction cup diameter                        | 50 mm   |
| Suction cup volume                          | 14.23 cm <sup>3</sup>   |
| Position of connection                      | Top   |
| Mounting position                           | optional  |
| Symbol                                      | 00991485  |
| Correlation to suction-cup holder           | Size 4  |
| Suction cup shape                           | Round bellows 1.5 convolutions  |
| Operating pressure                          | -0.095 MPa ... 0 MPa  |
| Operating pressure                          | -0.95 bar ... 0 bar   |
| Operating pressure                          | -13.775 psi ... 0 psi   |
| Nominal operating pressure                  | -0.07 MPa   |
| Nominal operating pressure                  | -0.7 bar  |
| Nominal operating pressure                  | -10.15 psi  |
| Operating medium                            | Atmospheric air based on ISO 8573-1:2010 [7::-]   |
| Corrosion resistance class CRC              | 1 - Low corrosion stress  |
| LABS (PWIS) conformity                      | VDMA24364 zone III  |
| Suitable for use with food                  | See supplementary material information  |
| Ambient temperature                         | -20 °C ... 60 °C  |
| Holding force at nominal operating pressure | 72.6 N  |
| Lateral force at nominal operating pressure | 47 N  |
| Product weight                              | 24.7 g  |
| Type of mounting                            | Via vacuum port   |
| Vacuum connection                           | M6  |
| Colour                                      | Blue  |
| Shore hardness                              | 60 +/- 5  |
| Material screwed plug                       | Nickel-plated wrought aluminium alloy<br>Nickel-plated brass<br>Steel, galvanised and chrome-plated |

| Feature              | Value          |
|----------------------|----------------|
| Note on materials    | RoHS-compliant |
| Material suction cup | PUR            |