

# Suction cup complete ESS-10-CS

Part number: 189399

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                     | Value                                           |
|---------------------------------------------|-------------------------------------------------|
| Height compensator for suction cup          | 3.3 mm                                          |
| Min. workpiece radius                       | 25 mm                                           |
| Nominal size                                | 2 mm                                            |
| Suction cup diameter                        | 10 mm                                           |
| Suction cup volume                          | 0.29 cm <sup>3</sup>                            |
| Position of connection                      | Top                                             |
| Mounting position                           | optional                                        |
| Symbol                                      | 00991485                                        |
| Correlation to suction-cup holder           | Size 3                                          |
| Suction cup shape                           | Round bellows 3.5 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                         | -30 °C ... 180 °C                               |
| Holding force at nominal operating pressure | 3.9 N                                           |
| Lateral force at nominal operating pressure | 1 N                                             |
| Product weight                              | 1.6 g                                           |
| Type of mounting                            | Via vacuum port                                 |
| Vacuum connection                           | M4                                              |
| Colour                                      | Transparent                                     |
| Shore hardness                              | 50 +/- 5                                        |
| Material screwed plug                       | Nickel-plated brass                             |
| Note on materials                           | RoHS-compliant                                  |
| Material suction cup                        | VMQ (silicone)                                  |