

Robot kit suction gripper OVEL-10-H-15-PQ-VM7-UA-C-A-V1V-H3-RA1

FESTO

Part number: 8121043



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Nominal width of Laval nozzle | 0.95 mm |
| Ejector characteristics | High vacuum |
| Integrated function | Electric ejector pulse Flow control Pressure transmitter On/off valve, electric Filter Pneumatic muffler open |
| Scope of delivery | 1x adapter plate 1x distance piece 1x Velcro® roll 1x USB memory stick with URCap 1x vacuum generator 1x suction cup with connection 2x connecting cable 5x blanking plugs 6x socket head screws |
| Switching element function | N/O contact |
| Switching function | Threshold value comparator Threshold value with fixed hysteresis |
| Valve function | Closed |
| Method of measurement | Piezoresistive pressure sensor |
| Operating pressure | 0.2 MPa ... 0.7 MPa |
| Operating pressure | 2 bar ... 7 bar |
| Max. vacuum | 92 % |
| Analog output | 0 - 10 V |
| DC operating voltage range | 21.6 V ... 26.4 V |
| Coil characteristics | 24 V DC: 1.0 W |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | 0 °C ... 50 °C |
| Product weight | 300 g |
| DC sensor operating voltage range | 18 V ... 30 V |
| Pressure measuring range | -0.01 MPa ... 0 MPa |
| Pressure measuring range | -1 bar ... 0 bar |
| Electrical connection input, function | Ejector pulse Vacuum generator |
| Electrical connection input, connection type | Cable |

| Feature | Value |
|---|---|
| Electrical input connection, connection technology | Open end |
| Electrical connection, input, number of pins/wires | 2 |
| Input electrical connection, cable length | 5 m |
| Electrical connection output, function | Sensor |
| Electrical connection output, connection type | Cable |
| Electrical connection output, connection technology | Open end |
| Electrical output connection, number of pins/wires | 3 |
| Output electrical connection, cable length | 2.5 m |
| Type of mounting | with through-hole for M6 screw |
| Robot connection | Universal robots UR3/5/10 (PolyScope CB 3.8.0 and later) UR UR3e/5e/10e/16e (from SW5.0.0) |
| Pneumatic connection 1 | For pneumatic tubing outside diameter 6 mm |
| Vacuum connection | G1/4 |
| Note on vacuum connection | Optional: 4x G1/8 |
| Note on materials | RoHS-compliant |
| Material of sub-base | Wrought aluminum alloy |
| Seals material | HNBR NBR |
| Material of screws | Steel |