

# 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 size, Laval nozzle	0.95 mm
Ejector characteristic	High vacuum
Integrated function	Electric ejector pulse Flow control Pressure transmitter Electric on-off valve Filter Open silencer
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 cables 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
Measurement method	Piezoresistive pressure sensor
Operating pressure	0.2 MPa ... 0.7 MPa
Operating pressure	2 bar ... 7 bar
Max. vacuum	92 %
Analogue output	0 - 10 V
Operational voltage range DC	21.6 V ... 26.4 V
Characteristic coil data	24 V DC: 1.0 W
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation 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
Operating voltage range, DC sensor	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 generation
Electrical connection input, connection type	Cable

Feature	Value
Electrical connection input, connector system	Open end
Electrical connection input, number of connections/cores	2
Electrical connection input, cable length	5 m
Electrical connection output, function	Sensor
Electrical connection output, connection type	Cable
Electrical connection output, connector system	Open end
Electrical connection output, number of connections/cores	3
Electrical connection output, cable length	2.5 m
Type of mounting	Via through-hole for M6 screw
Robot connection	Universal robots UR3/5/10 (PolyScope CB 3.8.0 or higher) UR UR3e/5e/10e/16e (from SW5.0.0)
Pneumatic connection, port 1	For tubing outside diameter of 6 mm
Vacuum connection	G1/4
Note on vacuum connection	Optional: 4x G1/8
Note on materials	RoHS-compliant
Material sub-base	Wrought aluminium alloy
Material seals	HNBR NBR
Material screws	Steel