

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