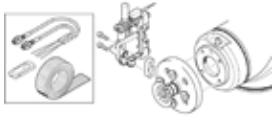


suction gripper kit for robots

OVEL-10-H-15-PQ-VM7-UA-C-A-V1V-H3-RA1

Part number: 8121043

FESTO



Data sheet

Feature	Value
Nominal size, Laval nozzle	0.95 mm
Ejector characteristic	High vacuum
Integrated function	Ejector pulse, electrical Flow control valve Pressure transmitter Electrical on-off valve Filter Open silencer
Accessories included	1x adapter plate 1x distance piece 1x Velcro® roll 1x USB-Stick mit URCap 1x vacuum generator 1x suction cup with connection 2x connecting cable 5x blanking plugs 6x socket head screws
Switching element function	Normally open contact
Switching function	Threshold value comparator Threshold value with fixed hysteresis
Valve function	closed
Measurement method	Piezoresistive pressure sensor
Operating pressure MPa	0.2 ... 0.7 MPa
Working pressure	2 ... 7 bar
Max. vacuum	92 %
Analog output	0 - 10 V
Operating voltage range DC	21.6 ... 26.4 V
Characteristic coil data	24 V DC: 1 W
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	0 ... 50 °C
Product weight	300 g
Operating voltage range, DC sensor	18 ... 30 V
Pressure measurement range	-10 ... 0 kPa
Pressure measuring range	-1 ... 0 bar
Electrical connection, input, function	Ejector pulse Vacuum generation
Electrical connection, input, connection type	Cable
Electrical connection, input, connection technology	Open end
Electrical connection, input, number of pins/wires	2
Electrical connection, input, cable length	5 m
Electrical connection, output, function	Sensor
Electrical connection, output, connection type	Cable
Electrical connection, output, connection technology	Open end

Feature	Value
Electrical connection, output, number of pins/wires	3
Electrical connection, output, cable length	2.5 m
Mounting type	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 (ab SW5.0.0)
Pneumatic connection, port 1	For tubing outside diameter 6 mm
Vacuum connection	G1/4
Note on vacuum connection	Optional: 4x G1/8
Materials note	Conforms to RoHS
Material of connecting plate	Wrought Aluminum alloy
Material seals	HNBR NBR
Material screws	Steel