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

Part number: 8121043



Data sheet

Feature	Value
Nominal width of Laval nozzle	0.95 mm
Ejector characteristics	High vacuum
Integrated function	Ejector pulse, electric Flow control valve Pressure transmitter Electric on-off valve Filter Muffler open
Scope of delivery	1x adapter plate 1x distance piece 1x Velcro® roll 1x USB 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 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	-10 kPa...0 kPa

Feature	Value
	-1 bar...0 bar
Electrical connection input, function	Ejector pulse Vacuum generation
Electrical connection input, connection type	Cable
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