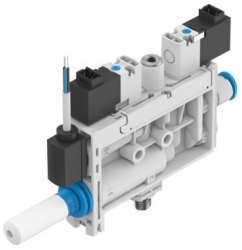
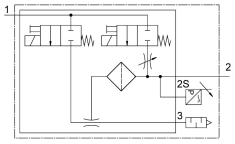
Vacuum generator
OVEL-10-H-15-PQ-VM7-UA-C-A-V1V-H3

Part number: 8129122





Data sheet

Feature	Value
Nominal width of Laval nozzle	0.95 mm
Width dimension	15 mm
Muffler construction type	Open
Mounting position	Any
Ejector characteristics	High vacuum Standard
Grade of filtration	40 µm
Manual override	Non-detenting
Integrated function	Ejector pulse, electric Flow control valve Pressure transmitter Electric on-off valve Filter Muffler open
Structural design	T-shape
Valve function	Closed
Method of measurement	Piezoresistive pressure sensor
Operating pressure for max. suction rate	0.4 MPa 4 bar 58 psi
Operating pressure	0.2 MPa...0.7 MPa 2 bar...7 bar 29 psi...101.5 psi
Operating pressure for max. vacuum	0.38 MPa 3.8 bar 55.1 psi
Max. vacuum	92 %
Nominal operating pressure	0.4 MPa 4 bar 58 psi
Max. suction rate with respect to atmosphere	21 l/min
Air supply time at nominal operating pressure with ejector pulse	1 s
Analog output	0 - 10 V
DC operating voltage range	21.6 V...26.4 V
Duty cycle	100%

Feature	Value
Coil characteristics	24 V DC: 1.0 W
Certification	c UL us - Listed (OL)
KC characters	KC-EMV
CE marking (see declaration of conformity)	As per EU EMC directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
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-B1/B2-L
Temperature of medium	0 °C...50 °C
Noise level at nominal operating pressure	68 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C...50 °C
Product weight	88 g
DC sensor operating voltage range	18 V...30 V
Pressure measuring range	-0.1 MPa...0 MPa -1 bar...0 bar -14.5 psi...0 psi
Electrical connection input, function	Ejector pulse Vacuum generation
Electrical connection input, connection type	2x plug
Electrical input connection, connection technology	Connection pattern H
Electrical connection, input, number of pins/wires	2
Electrical input connection, mounting type	Snap-locking
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
Cable characteristic	Suitable for energy chains
Cable diameter	2.9 mm
Cable diameter tolerance	± 0.1 mm
Cable length	2.5 m
Nominal conductor cross section	0.14 mm²
Type of mounting	With through-hole
Pneumatic connection 1	For pneumatic tubing outside diameter 6 mm
Pneumatic connection 3	Muffler open
Vacuum connection	M7
Color cable sheath	Gray
Material of connecting thread	POM
Note on materials	RoHS compliant
Seals material	NBR
Female nozzle material	POM
Compressed air filter material	POM
Housing material	PA-reinforced
Material of cable sheath	PVC
Material of adjusting screw	Steel
Muffler material	PA-reinforced Protective grounding
Material of screws	Steel
Material of jet nozzle	Wrought aluminum alloy