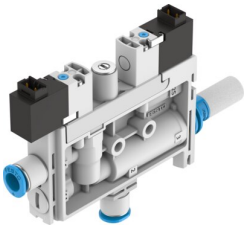
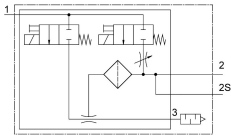
Vacuum generator
OVEL-7-H-15-PQ-VQ4-UC-C-A-H3

Part number: 8141100





Data sheet

Feature	Value
Nominal width of Laval nozzle	0.7 mm
Width dimension	15 mm
Muffler construction type	Closed
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 Electric on-off valve Filter Muffler, closed
Structural design	T-shape
Valve function	Closed
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	0.48 MPa 4.8 bar 69.6 psi
Max. vacuum	92 %
Nominal operating pressure	0.4 MPa 4 bar 58 psi
Max. suction rate with respect to atmosphere	17 l/min
Air supply time at nominal operating pressure with ejector pulse	1.2 s
DC operating voltage range	21.6 V...26.4 V
Duty cycle	100%
Coil characteristics	24 V DC: 1.0 W
Certification	c UL us - Listed (OL)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
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	56 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C...50 °C
Product weight	58 g
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
Type of mounting	With through-hole
Pneumatic connection 1	for pneumatic tubing outside diameter 4 mm
Pneumatic connection 3	Muffler, closed
Vacuum connection	For pneumatic tubing outside diameter 4 mm
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 adjusting screw	Steel
Muffler material	PA-reinforced Protective grounding
Material of screws	Steel
Material of jet nozzle	Wrought aluminum alloy