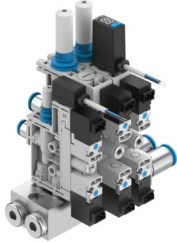


Vacuum generator OVTL

Part number: 8103599

FESTO



Data sheet

Feature	Value
Nominal width of Laval nozzle	0.45 mm...0.95 mm
Width dimension	10 mm...15 mm
Muffler construction type	Open
Number of device locations	2 ...8
Mounting position	Any
Ejector characteristics	High suction flow High vacuum Standard
Grade of filtration	40 µm
Manual override	Non-detenting
Integrated function	Ejector pulse, electric Flow control valve Pressure sensor Pressure transmitter Electric on-off valve Filter Muffler open
Structural design	Connection position on both sides Connection position on the side
Switching element function	N/C contact/N/O contact, switchable
Switching function	Freely programmable
Valve function	Closed
Display type	LED indicator 2-digit
Operating pressure for max. suction rate	3 bar...6 bar
Operating pressure	0.2 MPa...0.7 MPa 2 bar...7 bar 29 psi...101.5 psi
Operating pressure for max. vacuum	3.8 bar...4.5 bar
Max. vacuum	89 %...92 %
Nominal operating pressure	0.4 MPa 4 bar 58 psi
Max. suction rate with respect to atmosphere	4 l/min...45 l/min
Air supply time at nominal operating pressure with ejector pulse	0.4 s...2 s

Feature	Value
Analog output	0 - 10 V 1 - 5 V
DC operating voltage range	21.6 V...26.4 V
Duty cycle	100%
Switching output	PNP/NPN switchable
Coil characteristics	24 V DC: 1.28 W 24 V DC: 1.0 W
Certification	c UL us - Listed (OL)
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	52 dB(A)...68 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C...50 °C
Product weight	118 g...890 g
DC sensor operating voltage range	10 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 tolerance	± 0.1 mm
Cable length	2.5 m
Type of mounting	With through-hole
Pneumatic connection 1	Internal thread G1/8 For pneumatic tubing outside diameter 6 mm for pneumatic tubing outside diameter 8 mm
Pneumatic connection 3	For tubing O.D. 4 mm For tubing O.D. 6 mm Muffler open
Vacuum connection	for tubing O.D. 3 mm For pneumatic tubing outside diameter 4 mm For pneumatic tubing outside diameter 6 mm
Color cable sheath	Gray
Material of connecting thread	POM
Note on materials	RoHS compliant
Material of sub-base	Wrought aluminum alloy
Seals material	NBR
Female nozzle material	POM
Compressed air filter material	POM
Housing material	PA-reinforced
Hollow bolt material	Wrought aluminum alloy
Material of adjusting screw	Steel

Feature	Value
Muffler material	PA-reinforced
Material of screws	Steel
Material of jet nozzle	Wrought aluminum alloy
Material of pneumatic fitting	Brass, nickel-plated