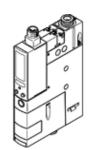
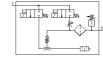
vacuum generator OVEM-05-H-B-QO-CE-N-1PD Part number: 8037697

FESTO

Supply/vacuum port with QS fittings, exhaust port with open silencer.





Data sheet

Feature	Value	
Nominal size, Laval nozzle	0.45 mm	
Grid dimension	20 mm	
Design, silencer	open	
Assembly position	Any	
Ejector characteristic	High vacuum	
	Standard	
Grade of filtration	40 μm	
Manual override	Pushing	
Integrated function	Ejector pulse valve, electrical	
	Flow control valve	
	Electrical on-off valve	
	Filter	
	Air saving function, electrical	
	Non-return valve	
	Open silencer	
	Vacuum switch	
Design structure	modular	
Short circuit strength	Yes	
Measured variable	Relative pressure	
Measuring principle	Piezoresistive	
Switching element function	Normally closed contact	
_	Normally open contact	
Switching function	Window comparator	
	Threshold value comparator	
Valve function	closed	
Polarity protected	for all electrical connections	
Standard switching input	IEC 61131-2	
Type of display	4-place alphanumeric	
	Backlit LCD	
Indicating range [bar]	-0.999 0 bar	
Unit(s) that can be displayed	bar	
Hysteresis adjustment range [bar]	-0.9 0 bar	
Setting options	Via display and buttons	
Switching position indicator	LCD	
Operating status display	Optical	
Threshold setting range	-0.999 0 bar	
Operating pressure	2 8 bar	
Operating pressure for max. vacuum	5.1 bar	
Max. vacuum	93 %	
Nominal operating pressure	6 bar	
Max. suction rate with respect to atmosphere	6 l/min	
Air supply time at nominal operating pressure	2 s	
Operating voltage range DC	20.4 27.6 V	
Duty cycle	100 %	



Feature	Value
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Insulation voltage	50 V
Idle current	< 70 mA
Max. output current	100 mA
Residual current	0.1 mA
Switch output	PNP
Voltage drop	<= 2 V
Characteristic coil data	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
Surge strength	0.8 kV
Overload withstand capability	Available
Degree of contamination	3
Authorisation	RCM Mark
	c UL us - Listed (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC
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
Medium temperature	0 50 °C
Relative air humidity	5 - 85 %
Noise level at nominal operating pressure Protection class	51 dB(A)
	IP65 III
Safety class Ambient temperature	0 50 °C
Max. tightening torque	0.8 Nm with female thread
Max. tigritering torque	2.5 Nm with clearance hole
Product weight	325 g
Pressure measuring range	-1 0 bar
Accuracy, FS	3 %FS
Switching point reproducibility, FS	0.6 %
Input circuit logic	PNP (positive-switching)
Electrical connection	5-pin
	M12x1
	Plug
Protection against manipulation	PIN-Code
Mounting type	with through hole
	with internal (female) thread
	with accessories
Pneumatic connection, port 1	QS-6
Pneumatic connection, port 3	Integrated silencer
Vacuum connection	QS-6
Materials note	Contains PWIS substances
	Conforms to RoHS
Material seals	NBR
Material receiver nozzle	POM
Material filter	Mesh
	PA
W	Sintered steel
Material filter housing	PA-reinforced
Material housing	Aluminium die cast
Make siel a divertie a service	PA-reinforced
Material adjusting screw Material silencer	Steel Wegget Aluminium alloy
imaterial Sitericer	Wrought Aluminium alloy
Material screws	PU foam Steel
Material screws Material screen	PA
Material connector housing	Nickel-plated brass
Material electrical contact	Brass, gold-plated
Material pins	Steel
Material transmitter nozzle	Wrought Aluminium alloy
Material keypad	TPE-U
πατοπατ κογρασ	11 & 0



Feature	Value
Material fitting	Nickel-plated brass