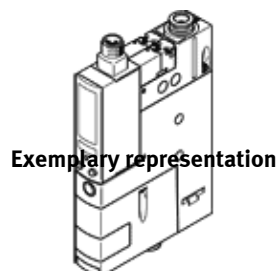


Vacuum generator OVEM-BN

Part number: 539075

FESTO

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



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Nominal size, Laval nozzle	0.45 ... 1.4 mm
Grid dimension	20 mm
Assembly position	Any
Ejector characteristic	High suction flow rate 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
Switching element function	Normally closed contact Normally open contact
Polarity protected	for all electrical connections
Standard switching input	IEC 61131-2
Working pressure	2 ... 8 bar
Nominal working pressure	6 bar
Operating voltage range DC	20.4 ... 27.6 V
Duty cycle	100 %
Insulation voltage	50 V
Switch output	2xNPN 2xPNP NPN PNP
Characteristic coil data	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
Surge strength	0.8 kV
Degree of contamination	3
Authorization	RCM Mark c UL us - Listed (OL)
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline
UKCA marking (see declaration of conformity)	To UK instructions 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

Feature	Value
Relative air humidity	5 - 85 %
Protection class	IP65
Safety class	III
Ambient temperature	0 ... 50 °C
Max. tightening torque	0.8 Nm with female thread 2.5 Nm with clearance hole
Electrical connection	5-pin M12x1 Plug
Mounting type	with through hole with internal (female) thread with accessories
Pneumatic connection, port 1	1/8 NPT 1/4 NPT QS-1/4 QS-5/16
Pneumatic connection, port 3	1/8 NPT 1/4 NPT QS-5/16 Integrated silencer
Vacuum connection	1/8 NPT 1/4 NPT QS-1/4 QS-5/16
Materials note	Conforms to RoHS
Material seals	NBR
Material receiver nozzle	POM
Material filter	Mesh PA Sintered steel
Material filter housing	PA-reinforced
Material housing	Aluminum die cast PA-reinforced
Material screws	Steel
Material pins	Steel
Material transmitter nozzle	Wrought Aluminum alloy