

Vacuum generator OVEM-BN

Part number: 539075

FESTO



Data sheet

Feature	Value
Nominal width of Laval nozzle	0.45 mm...1.4 mm
Width dimension	20 mm
Mounting position	Any
Ejector characteristics	High suction rate High vacuum Standard
Grade of filtration	40 µm
Manual override	Non-detenting
Integrated function	Ejector pulse valve, electric Flow control Shut off valve, electric Compressed air filter Air saving function, electrical Non-return valve Pneumatic muffler open Vacuum switch
Structural design	Modular
Switching element function	N/C contact N/O contact
Reverse polarity protection	for all electrical connections
Switching input to standard	IEC 61131-2
Operating pressure	2 bar...8 bar
Nominal operating pressure	6 bar
DC operating voltage range	20.4 V...27.6 V
Duty cycle	100%
Insulation voltage	50 V
Switching output	2xNPN 2xPNP NPN PNP
Coil characteristics	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
Surge resistance	0.8 kV
Contamination level	3
Certification	RCM compliance mark c UL us - Listed (OL)

Feature	Value
KC characters	KC EMC
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
Temperature of medium	0 °C...50 °C
Relative air humidity	5 - 85 %
Degree of protection	IP65
Protection class	III
Ambient temperature	0 °C...50 °C
Max. tightening torque	0.8 Nm with internal thread 2.5 Nm with through-hole
Electrical connection	5-pin M12x1 Plug
Type of mounting	With through-hole With internal thread With accessories
Pneumatic connection 1	1/8 NPT 1/4 NPT QS-1/4 QS-5/16
Pneumatic connection 3	1/8 NPT 1/4 NPT QS-5/16 Pneumatic muffler integrated
Vacuum connection	1/8 NPT 1/4 NPT QS-1/4 QS-5/16
Note on materials	RoHS-compliant
Seals material	NBR
Female nozzle material	POM
Compressed air filter material	Fabric PA Sintered steel
Material of filter housing	PA-reinforced
Housing material	Die-cast aluminum PA-reinforced
Material of screws	Steel
Material of pins	Steel
Material of jet nozzle	Wrought aluminum alloy