

Vacuum generator OVEM-BN

Part number: 539075

FESTO



Data sheet

Feature	Value
Nominal size, Laval nozzle	0.45 mm...1.4 mm
Grid dimension	20 mm
Mounting position	optional
Ejector characteristic	High suction rate High vacuum Standard
Grade of filtration	40 µm
Manual override	Non-detenting
Integrated function	Electric ejector pulse valve Flow control Electric on-off valve Filter Air saving function, electrical Check valve Open silencer Vacuum switch
Design	Modular
Switching element function	N/C contact N/O contact
Reverse polarity protection	For all electrical connections
Standard switching input	IEC 61131-2
Operating pressure	2 bar...8 bar
Nominal operating pressure	6 bar
Operational voltage range DC	20.4 V...27.6 V
Duty cycle	100%
Insulation voltage	50 V
Switching output	2xNPN 2xPNP NPN PNP
Characteristic coil data	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
Immunity to surge	0.8 kV
Pollution degree	3
Approval	RCM trademark c UL us listed (OL)

Feature	Value
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	2 - Moderate corrosion stress
Media temperature	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 female thread 2.5 Nm with through-hole
Electrical connection	5-pin M12x1 Plugs
Type of mounting	With through-hole Via 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
Note on materials	RoHS-compliant
Material seals	NBR
Material receiver nozzle	POM
Material filter	Fabric PA Sintered steel
Material filter housing	PA-reinforced
Material housing	Die-cast aluminium PA-reinforced
Material screws	Steel
Material pins	Steel
Material transmitter nozzle	Wrought aluminium alloy