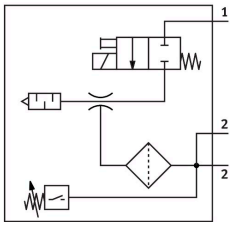
Vacuum generator
VADM-300-N

Part number: 162523





Data sheet

Feature	Value
Nominal size, Laval nozzle	3 mm
Grid dimension	22 mm
Silencer design	Closed
Mounting position	optional
Ejector characteristic	High vacuum
Grade of filtration	40 µm
Manual override	Non-detenting
Integrated function	Electric on-off valve Filter Vacuum switch
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching element function	N/O contact
Switching function	Threshold value comparator
Valve function	Closed
Reverse polarity protection	For all electrical connections
Display type	LED
Hysteresis setting range	-50 kPa...-5 kPa
Setting range hysteresis	-0.5 bar...-0.05 bar -7.25 psi...-0.725 psi
Setting options	Potentiometer
Switching status indication	Optical
Setting range threshold value	-90 kPa...0 kPa -0.9 bar...0 bar -13.05 psi...0 psi
Operating pressure	0.2 MPa...0.8 MPa 2 bar...8 bar 29 psi...116 psi
Max. vacuum	85 %
Nominal operating pressure	0.6 MPa 6 bar 87 psi

Feature	Value
Air supply time at nominal operating pressure	0.26 s
Operational voltage range DC	21.6 V...26.4 V
Duty cycle	100%
Switching output	NPN
Approval	RCM trademark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU EMC Directive
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	0 °C...60 °C
Degree of protection	IP65
Ambient temperature	0 °C...50 °C
Product weight	350 g
Pressure measuring range	0 MPa...0.1 MPa 0 bar...1 bar 0 psi...14.5 psi
Electrical connection	4-pin M8x1 Plugs
Type of mounting	Either: With through-hole Via female thread
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 3	Integrated silencer
Vacuum connection	G3/8
Note on materials	RoHS-compliant
Material seals	NBR
Material receiver nozzle	Brass, nickel-plated
Material filter	PA
Material filter housing	PC
Material housing	Wrought aluminium alloy
Material silencer	PE POM
Material piston	POM
Material transmitter nozzle	Nickel-plated brass