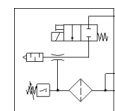
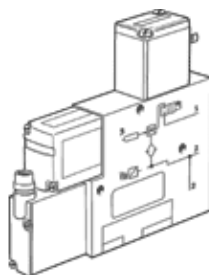


vacuum generator VADM-45-P

Part number: 162512

FESTO



Data sheet

Feature	values
Nominal size, Laval nozzle	0.45 mm
Grid dimension	10 mm
Design, silencer	closed
Assembly position	Any
Ejector characteristic	High vacuum
Grade of filtration	<= 40 µm
Manual override	Pushing
Integrated function	Ejector pulse valve, electrical Flow control valve Electrical on-off valve Filter Non-return valve Vacuum switch
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching element function	Normally open contact
Switching function	Threshold value comparator
Valve function	closed
Polarity protected	for all electrical connections
Type of display	LED
Threshold setting range	-0.9 ... 0 bar
Hysteresis adjustment range [bar]	-0.5 ... -0.05 bar
Setting options	Potentiometer
Operating status display	Optical
Operating pressure	1.5 ... 8 bar
Max. vacuum	85 %
Nominal operating pressure	6 bar
Air supply time at nominal operating pressure	5.9 s
Operating voltage range DC	21.6 ... 26.4 V
Duty cycle	100%
Switch output	PNP
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
CE mark (see declaration of conformity)	to EU directive for EMC
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	0 ... 60 °C
Protection class	IP65
Ambient temperature	0 ... 50 °C
Authorisation	RCM Mark c UL us - Recognized (OL)
Product weight	65 g
Pressure measuring range	0 ... 1 bar
Electrical connection	Plug M8x1 4-pin
Mounting type	Optional

Feature	values
	with through hole with internal (female) thread
Pneumatic connection, port 1	M5
Pneumatic connection, port 3	Integrated silencer
Vacuum connection	M5
Materials note	Free of copper and PTFE
Materials information for seals	NBR
Material information, collector nozzle	Nickel-plated brass
Materials information for filter	PA
Material information, filter housing	PC
Materials information, housing	Wrought Aluminium alloy
Material information, silencer	PE POM
Materials information for piston	POM
Material information, jet nozzle	Nickel-plated brass