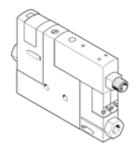
vacuum generator OVEM-07-H-B-GO-CE-N-2N Part number: 540012

FESTO

Supply/vacuum port with G threads, exhaust port with open silencer





Data sheet

Feature	Value
Nominal size, Laval nozzle	0.7 mm
Grid dimension	20 mm
Design, silencer	open
Assembly position	Any
Ejector characteristic	High vacuum
	Standard
Grade of filtration	40 μm
Manual override	Pushing
	Additionally via operating buttons
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
Short circuit strength	Yes
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching element function	Normally closed contact
	Normally open contact
Switching function	Window comparator
	Threshold value comparator
Valve function	closed
Polarity protected	for all electrical connections
Standard switching input	IEC 61131-2
Type of display	4-place alphanumeric
	Backlit LCD
Indicating range [bar]	-0.999 0 bar
Unit(s) that can be displayed	bar
Hysteresis adjustment range [bar]	-0.9 0 bar
Setting options	Via display and buttons
Switching position indicator	LCD
Operating status display	Optical
Threshold setting range	-0.999 0 bar
Operating pressure	2 8 bar
Operating pressure for max. vacuum	4.1 bar
Max. vacuum	93 %
Nominal operating pressure	6 bar
Max. suction rate with respect to atmosphere	16 l/min
Air supply time at nominal operating pressure	0.4 s
Operating voltage range DC	20.4 27.6 V



Duty order	Feature	Value
Inductive protective circuit insulation votage	Duty cycle	100 %
Insulation voltage SOY		Adapted to MZ-, MY-, ME coils
Ide current	,	• • • • • • • • • • • • • • • • • • • •
Residual current 0.1 mA Switch output 2.2 NPN Voltage drop 4 1.5 V Characteristic coil data 24 V DC: low-current phase 0.3 W, high current phase 2.55 W Overload withstand capability Available Degree of containmation 3 Authorisation RCM Mark KC EMV KC.EMV CE mark (see declaration of conformity) to EU directive for EMC Operating medium Compressed air in accordance with ISO8573-1:2010 [7-4:4] Note on operating and pilot medium Lubricated operation on possible Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 050 °C Rolative air hunidity 5 83 % Noise level at nomial operating pressure 9.6 dG(A) Protection class III Manual emperature 050 °C Max. lightening torque 0.8 Mm with remate thread 2. Nim with classance hole Product weight 33 5 g Product weight 33 5 g Sectioning point reproducibility, FS 0.6 % Max. Legislation for		< 70 mA
Switch output	Max. output current	100 mA
Voltage drop	Residual current	0.1 mA
Characteristic coil data 2a V DC: low-current phase 0.3 W, high-current phase 2.55 W Doerload withstand capability Degree of Contamination 3 Authorisation RCM Mark CL Mark CE mark (see declaration of conformity) Departing medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Doersting medium Corresion existance classification CRC 2 - Moderate corrosion stress Medium temperature Medium temperature Doersting medium Discovered and provided and provide	Switch output	2xNPN
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Overload withstand capability Degree of contamination Authorisation RCM Mark Ct User-Listed (01) KC mark Lubricated operation not possible Cornsoin resistance classification CRC 2. Moderate cornsoin stress Medium temperature 0 50 °C Nos Se level at nominal operating pressure 3.5 dB(A) Protection class III Ambient temperature 0 50 °C 0. 58 °M with fearance hole Product weight Max Lightening forque 2. N Im with fearance hole 3. S S S S S S S S S S S S S S S S S S S	Characteristic coil data	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
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Feature	Value
Material fitting	Anodised wrought aluminium alloy