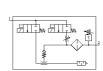
Vacuum generator OVEM-30-H-C-QO-CE-N-1PD Part number: 8070097







Data sheet

Feature	Value	
Nominal size, Laval nozzle	3 mm	
Grid dimension	36 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	
Switching element function	Normally open contact	
Switching function	Window comparator	
Switching function	Threshold value comparator	
Valve function	closed	
Polarity protected	for all electrical connections	
Standard switching input	IEC 61131-2	
Type of display	4-place alphanumeric	
Type of display	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	
Working pressure	2 8 bar	
Working pressure for max. vacuum	4 bar	
Max. vacuum	93 %	
Nominal working pressure	6 bar	
Max. suction rate with respect to atmosphere	181 l/min	
Air supply time at nominal working pressure		
Operating voltage range DC	0.2 s 20.4 27.6 V	
	20.4 27.6 V	
Duty cycle		
Inductive protective circuit	Adapted to MZ-, MY-, ME coils	



Feature	Value
Insulation voltage	50 V
Idle current	< 70 mA
Max. output current	100 mA
Residual current	0.1 mA
Switch output	PNP
Voltage drop	<= 2 V
Characteristic coil data	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
Surge strength	0.8 kV
Overload withstand capability	Available
Degree of contamination	3
Authorization	RCM Mark
	c UL us - Listed (OL)
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364 zone III
Medium temperature	0 50 °C
Relative air humidity	5 - 85 %
Noise level at nominal operating pressure	75 dB(A)
Protection class	IP65
Safety class	
Ambient temperature	0 50 °C
Max. tightening torque	0.8 Nm with female thread
	2.5 Nm with clearance hole
Product weight	825 g
Pressure measuring range	-1 0 bar
Accuracy, FS	3 %FS 0.6 %
Switching point reproducibility, FS Input circuit logic	PNP (positive-switching)
Electrical connection	5-pin
Liectrical connection	м12x1
	Plug
Protection against manipulation	PIN-Code
Mounting type	with through hole
mounting type	with internal (female) thread
	with accessories
Pneumatic connection, port 1	QS-10
Pneumatic connection, port 3	Silencer
Vacuum connection	QS-12
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material receiver nozzle	POM
Material filter	Mesh
	PA
	Sintered steel
Material filter housing	PA-reinforced
Material housing	Wrought Aluminum alloy
	PA-reinforced
Material adjusting screw	Steel
Material silencer	Wrought Aluminum alloy
	POM
	PU foam
Material screws	Steel
Material screen	PA
Material connector housing	Nickel-plated brass
Material electrical contact	Brass, gold-plated
Material pins	Steel



Feature	Value
Material transmitter nozzle	Wrought Aluminum alloy
Material keypad	TPE-U
Material fitting	Nickel-plated brass