Vacuum generator OVEM-20-H-C-QO-CE-N-2P Part number: 8070092



Data sheet

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General operating condition

Feature	Value
Nominal width of Laval nozzle	2 mm
Width dimension	36 mm
Muffler construction type	Open
Mounting position	Any
Ejector characteristics	High vacuum Standard
Grade of filtration	40 µm
Manual override	Non-detenting Additionally via operating buttons
Integrated function	Ejector pulse valve, electric Flow control Shut off valve, electric Compressed air filter Air saving function, electrical Non-return valve Pneumatic muffler open Vacuum switch
Structural design	Modular
Short-circuit protection	yes
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching element function	N/C contact N/O contact
Switching function	Window comparator Threshold value comparator
Symbol	00992094
Valve function	Closed
Reverse polarity protection	for all electrical connections
Switching input to standard	IEC 61131-2
Display type	4-character alphanumeric Back-lit LCD
Display range	-0.999 bar 0 bar
Displayable unit(s)	bar
Setting range hysteresis	-0.9 bar 0 bar
Setting options	Via display and pushbuttons
Switching position indication	LCD
Switching status indication	Optical
Setting range threshold value	-0.999 bar 0 bar
Operating pressure	2 bar 8 bar

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Max. suction rate with respect to atmosphere 98 I/min Air supply time at nominal operating pressure 0.2 4 O operating working renses 20.4 V 27.6 V Duty cycle 100% Inductive protective circuit Adapted to MZ, MY and ME coils Insulation vortage 50 V Ide current 70 mA Max. output current 0.1 mA Switching output 2xPNP Voltage drop cl.5 V Coll characteristics 24 V DC. low-current phase 0.3 W, high-current phase 2.55 W Surge resistance 0.8 kV Overload protection Available Contamination level 3 Certification RCM compliance mark circulus - Listed (QL) KC haracters KC EMC Certarking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC Operating workinol Qreating workinol Operating workinol Qreating workinol Operating workinol Qreating workinol Operating workinol Qreating workinol <t< th=""><th>Feature</th><th>Value</th></t<>	Feature	Value
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Reproducibility, switching value FS0.6 %Input switching logicPNP (positive switching)Electrical connection5-pin M12x1 PlugType of mountingWith through-hole With internal thread With accessoriesPneumatic connection 1QS-10Pneumatic connection 3Pneumatic mufflerVacuum connectionQS-12Note on materialsRoHS-compliantSeals materialHNBR NBR	Pressure measuring range	-1 bar 0 bar
Input switching logicPNP (positive switching)Electrical connection5-pin M12x1 PlugType of mountingWith through-hole With internal thread With accessoriesPneumatic connection 1QS-10Pneumatic connection 3Pneumatic mufflerVacuum connectionQS-12Note on materialsRoHS-compliantSeals materialHNBR NBR	Accuracy in ± % FS	3 %FS
Electrical connection5-pin M12x1 PlugType of mountingWith through-hole With internal thread With accessoriesPneumatic connection 1QS-10Pneumatic connection 3Pneumatic mufflerVacuum connectionQS-12Note on materialsRoHS-compliantSeals materialHNBR NBR	Reproducibility, switching value FS	0.6 %
M12x1 PlugType of mountingWith through-hole With internal thread With accessoriesPneumatic connection 1QS-10Pneumatic connection 3Pneumatic mufflerVacuum connectionQS-12Note on materialsRoHS-compliantSeals materialHNBR NBR	Input switching logic	PNP (positive switching)
Type of mountingWith through-hole With internal thread With accessoriesPneumatic connection 1QS-10Pneumatic connection 3Pneumatic mufflerVacuum connectionQS-12Note on materialsRoHS-compliantSeals materialHNBR NBR	Electrical connection	M12x1
Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Type of mounting	With through-hole With internal thread
Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Pneumatic connection 1	QS-10
Note on materials RoHS-compliant Seals material HNBR NBR	Pneumatic connection 3	Pneumatic muffler
Seals material HNBR NBR	Vacuum connection	QS-12
NBR	Note on materials	RoHS-compliant
Female nozzle material POM	Seals material	HNBR
	Female nozzle material	

Feature	Value
Compressed air filter material	Fabric PA Sintered steel
Material of filter housing	PA-reinforced
Housing material	Wrought aluminum alloy PA-reinforced
Material of adjusting screw	Steel
Muffler material	Wrought aluminum alloy POM PU foam
Material of screws	Steel
Inspection window material	РА
Material of plug housing	Brass, nickel-plated
Material of pin contacts	Brass, gold-plated
Material of pins	Steel
Material of jet nozzle	Wrought aluminum alloy
Material of keypad	TPE-U
Material of pneumatic fitting	Brass, nickel-plated