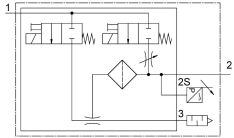


Vacuum generator

OVEH-7-H-Q6-G18-UA-C-PNLK-R12-HRC

Part number: 8205191

FESTO



Data sheet

Feature	Value
Nominal width of Laval nozzle	0.7 mm
Muffler construction type	Open
Mounting position	Any
Ejector characteristics	High vacuum Standard
Grade of filtration	40 µm
Manual override	None
Integrated function	Electric ejector pulse Pressure sensor On/off valve, electric Filter Muffler, closed
Structural design	Human-robot collaboration (HRC)
Short-circuit protection	yes
Valve function	Closed
Reverse polarity protection	yes
Display type	LED display 2-digit
Operating pressure for max. suction rate	0.4 MPa 4 bar 58 psi
Operating pressure	0.2 MPa...0.7 MPa 2 bar...7 bar 29 psi...101.5 psi
Operating pressure for max. vacuum	0.45 MPa 4.5 bar 65.25 psi
Max. vacuum	92 %
Nominal operating pressure	0.4 MPa 4 bar 58 psi
Max. suction rate with respect to atmosphere	15 l/min
Air supply time at nominal operating pressure with ejector pulse	1.2 s
DC operating voltage range	21.6 V...26.4 V
Duty cycle	100%

Feature	Value
Coil characteristics	24 V DC: 1.0 W
CE marking (see declaration of conformity)	As per EU EMC directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication not possible
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	0 °C...50 °C
Relative air humidity	Max. 93% at 40 °C
Noise level at nominal operating pressure	48 dB(A)
Sound power level at nominal operating pressure	60 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C...50 °C
Product weight	415 g
Pressure measuring range	-0.1 MPa...0 MPa -1 bar...0 bar -14.5 psi...0 psi
Protocol	IO-Link®
IO-Link®, protocol version	Device V 1.1
IO-Link®, profile	Smart sensor profile
IO-Link®, function classes	Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel
IO-Link®, communication mode	COM2 (38,4 kBd)
IO-Link®, SIO mode support	Yes
IO-Link®, port class	A
IO-Link®, process data width OUT	0 Byte
IO-Link®, process data width IN	2 Byte
IO-Link®, process data content IN	14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)
IO-Link®, minimum cycle time	3 ms
IO-Link®, data memory required	0.5 byte
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, cable outlet	Angled
Electrical connection 1, design	Round
Electrical connection input, function	Ejector pulse Power supply Vacuum generator
Electrical connection output, function	Digital output
Cable characteristic	Suitable for robot applications
Cable diameter tolerance	± 1 mm
Cable length	0.3 m
Type of mounting	With mounting kit as per ISO 9409
Pneumatic connection 1	For pneumatic tubing outside diameter 6 mm
Pneumatic connection 3	Pneumatic muffler open
Vacuum connection	G1/8
Note on vacuum connection	Additional accessories possible
Material of connecting thread	Wrought aluminum alloy, anodized
Note on materials	RoHS-compliant
Seals material	NBR

Feature	Value
Female nozzle material	POM
Compressed air filter material	POM
Housing material	PA-reinforced
Hollow bolt material	Wrought aluminum alloy
Material of adjusting screw	Steel
Muffler material	PA-reinforced PE
Material of screws	Steel
Material of jet nozzle	Wrought aluminum alloy