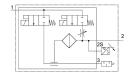
Vacuum generator OVEH-10-L-Q6-G18-UA-C-PNLK-SR12-HRC Part number: 8205194

FESTO





Data sheet

Feature	Value
Nominal size, Laval nozzle	0.95 mm
Silencer design	Open
Mounting position	optional
Ejector characteristic	High suction rate Standard
Grade of filtration	40 μm
Manual override	None
Integrated function	Electric ejector pulse Pressure sensor Electric on-off valve Filter Silencer closed
Design	Human-robot collaboration (HRC)
Short circuit current rating	yes
Valve function	Closed
Reverse polarity protection	yes
Display type	LED indicator 2-digit
Operating pressure for max. suction flow rate	0.6 MPa 6 bar 87 psi
Operating pressure	0.2 MPa0.7 MPa 2 bar7 bar 29 psi101.5 psi
Max. vacuum	85 %
Nominal operating pressure	0.4 MPa 4 bar 58 psi
Max. suction flow rate against atmosphere	30 l/min
Air supply time at nominal operating pressure with ejector pulse	0.4 s
Operational voltage range DC	21.6 V26.4 V
Duty cycle	100%
Characteristic coil data	24 V DC: 1.0 W
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC

Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA2436-8-1/82-1 Media temperature 0 °C50 °C Relative air humidity Sound pressure level at nominal operating pressure 55 dB(A) Sound pressure level at nominal operating pressure 66 dB(A) Degree of protection Ambient temperature 0 °C50 °C Product weight 415 g Pressure measuring range -0.1 MPa0 MPa -1 bar0 bar -1
Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-811/B2-L Media temperature 0 °C50 °C Relative air humidity Max. 93% at 40 °C Sound pressure level at nominal operating pressure 55 dB(A) Sound level at nominal operating pressure 66 dB(A) Degree of protection IP40 Ambient temperature 0 °C50 °C Product weight 415 g Pressure measuring range -0.1 MPa0 MPa -1 bar0 bar -1 bar
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Electrical connection 1, connector system M8x1, A-coded, to EN 61076-2-104 Electrical connection 1, number of connections/cores 8
Electrical connection 1, number of connections/cores 8
Electrical connection 1, used connections/cores 5
Electrical connection input, function Ejector pulse Power supply Vacuum generation
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 Via mounting kit To ISO 9409
Pneumatic connection, port 1 For tubing outside diameter of 6 mm
Pneumatic connection, port 3 Open silencer
Vacuum connection G1/8
Note on vacuum connection Additional accessories possible
Material connecting thread Anodised wrought aluminium alloy
Note on materials RoHS-compliant
Material seals NBR

Feature	Value
Material receiver nozzle	РОМ
Material filter	РОМ
Material housing	PA-reinforced
Material hollow bolt	Wrought aluminium alloy
Material adjusting screw	Steel
Material silencer	PA-reinforced PE
Material screws	Steel
Material transmitter nozzle	Wrought aluminium alloy