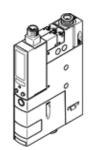
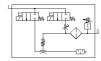
vacuum generator OVEM-14-H-B-QO-CE-N-1P Part number: 540024

FESTO

Supply/vacuum port with QS fittings, exhaust port with open silencer.





Data sheet

| Feature | Value |
|---|---------------------------------------|
| Nominal size, Laval nozzle | 1.4 mm |
| Grid dimension | 20 mm |
| Design, silencer | open |
| Assembly position | Any |
| Ejector characteristic | High vacuum |
| | Standard |
| Grade of filtration | 40 μm |
| Manual override | Pushing |
| Integrated function | Ejector pulse valve, electrical |
| | Flow control valve |
| | Electrical on-off valve |
| | Filter |
| | 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 open contact |
| Switching function | Threshold value comparator |
| | Threshold value with fixed hysteresis |
| Valve function | closed |
| Polarity protected | for all electrical connections |
| Standard switching input | IEC 61131-2 |
| Type of display | LED |
| Setting options | Teach-In |
| Switching position indicator | LED |
| Operating status display | Optical |
| Threshold setting range | -1 0 bar |
| Operating pressure | 2 8 bar |
| Operating pressure for max. vacuum | 3.6 bar |
| Max. vacuum | 93 % |
| Nominal operating pressure | 6 bar |
| Max. suction rate with respect to atmosphere | 50.5 l/min |
| Air supply time at nominal operating pressure | 0.2 s |
| Operating voltage range DC | 20.4 27.6 V |
| Duty cycle | 100 % |
| Inductive protective circuit | Adapted to MZ-, MY-, ME coils |
| Insulation voltage | 50 V |
| Idle current | < 80 mA |
| Max. output current | 100 mA |
| Residual current | 0.1 mA |
| Switch output | PNP |



| Value |
|---|
| <= 1.5 V |
| 24 V DC: low-current phase 0.3 W, high-current phase 2.55 W |
| 0.8 kV |
| Available |
| 3 |
| RCM Mark |
| c UL us - Listed (OL) |
| KC-EMV |
| to EU directive for EMC |
| To UK instructions for EMC |
| Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Lubricated operation not possible |
| 2 - Moderate corrosion stress |
| VDMA24364 zone III |
| 0 50 °C |
| 5 - 85 % |
| 77 dB(A) |
| 1P65 |
| |
| 0 50 °C |
| 0.8 Nm with female thread |
| |
| 2.5 Nm with clearance hole |
| 371 g |
| -1 0 bar |
| 0.5 %FS |
| 0.02 bar |
| 0.6 % |
| PNP (positive-switching) |
| 5-pin |
| M12x1 |
| Plug |
| with through hole |
| with internal (female) thread |
| with accessories |
| QS-8 |
| Integrated silencer |
| QS-8 |
| Conforms to RoHS |
| NBR |
| POM |
| Mesh |
| PA |
| Sintered steel |
| PA-reinforced |
| Aluminium die cast |
| PA-reinforced |
| Steel |
| Wrought Aluminium alloy |
| PU foam |
| Steel |
| Nickel-plated brass |
| Brass, gold-plated |
| , , |
| Steel |
| |
| Steel Wrought Aluminium alloy PA-reinforced |
| |