

## Vacuum Generator VN-05-L-T4-PQ2-VQ2-02-P - Festo 536799

Item no. FES-536799

Manufacturer Festo

EAN 4052568171872

Festo vacuum component for safe gripping, holding and handling in automation.

### TECHNICAL DATA

|                         |          |
|-------------------------|----------|
| Betriebsdruck max [bar] | 8.000000 |
| HS-Code                 | 84141089 |
| Pneumatischer Anschluss | QS-6     |
| Schutzart               | IP40     |
| Weight                  | 0.07 kg  |
| Werkstoff               | POM      |



### STANDARDS & COMPLIANCE

ISO 8573-1:2010

### DESCRIPTION

Festo vacuum component for safe gripping, holding and handling in automation. The key technical data of this genuine Festo article are listed below.

|                                                        |                                           |
|--------------------------------------------------------|-------------------------------------------|
| Nominal width laval nozzle [mm]                        | 0,45                                      |
| Pitch dimension [mm]                                   | 16,0                                      |
| installation position                                  | arbitrary                                 |
| Ejector characteristic                                 | High suction volume flow<br>Standard      |
| Construction set up                                    | T-shape                                   |
| Operating pressure for max. suction volume flow [bar]  | 5,0                                       |
| Operating pressure [bar]                               | 1 to 8                                    |
| Nominal operating pressure [bar]                       | 6                                         |
| Max. suction volume current against atmosphere [l/min] | 13,6                                      |
| Operating medium                                       | Compressed air to ISO 8573-1:2010 [7:4:4] |

|                                                    |                                                                  |
|----------------------------------------------------|------------------------------------------------------------------|
| Information about operating and control medium     | Oiled operation not possible                                     |
| Corrosion resistant class KBK                      | 1 - low corrosion stress                                         |
| Medium temperature [°C]                            | 0 to 60                                                          |
| ambient temperature [°C]                           | 0 to 50                                                          |
| Max. tightening torque [Nm]                        | 0,6                                                              |
| Product weight [g]                                 | 33                                                               |
| Fastening type                                     | With throughway bores                                            |
| Pneumatic connection 1                             | QS-6                                                             |
| Pneumatic connection 3                             | Silencer open                                                    |
| vacuum connection                                  | QS-6                                                             |
| Seals material                                     | NBR                                                              |
| Capture nozzle material                            | POM                                                              |
| Housing material                                   | POM reinforced                                                   |
| Jet nozzle material                                | Aluminium wrought alloy                                          |
| Screw connection material                          | brass<br>nickel-plated                                           |
| Construction type silencer type                    | open                                                             |
| Integrated function                                | Silencer open<br>vacuum switch                                   |
| Noise level for nominal operating pressure [dB(A)] | 54                                                               |
| Silencer material                                  | PE                                                               |
| Row switching recommendation                       | Soapy water                                                      |
| Short circuit resistance                           | Cycling                                                          |
| Measured parameter                                 | Relative pressure                                                |
| Measurement principle                              | Piezoresistive                                                   |
| Measurement process                                | Relative                                                         |
| Switching element function                         | NO contact                                                       |
| Switch function                                    | Threshold comparator<br>Threshold value with variable hysteresis |
| Reverse polarity protection                        | for all electrical connections                                   |
| Display type                                       | LED                                                              |
| Setting options                                    | Teach-in                                                         |
| Switching status indicator                         | LED                                                              |
| Settings range threshold value [bar]               | -1                                                               |
| Switch off time [ms]                               | <= 4 ms                                                          |
| Switch on time [ms]                                | <= 4 ms                                                          |
| Operating voltage range DC [V]                     | 15 to 30                                                         |
| Inductive protection circuit                       | adjusted to MZ, MY, ME coils                                     |

|                                                |                                         |
|------------------------------------------------|-----------------------------------------|
| Max. output current [mA]                       | 100                                     |
| Residual current [mA]                          | <= 0,3 mA                               |
| residual ripple                                | 10 %                                    |
| Control output                                 | PNP                                     |
| Voltage drop [V]                               | <= 1,5 V                                |
| Overload resistant                             | Available                               |
| Permission                                     | RCM mark                                |
| KC-mark                                        | KC-EMV                                  |
| CE certificate (see declaration of conformity) | to EU EMC directive                     |
| Protection category                            | IP40                                    |
| Pressure measurement range [bar]               | -1                                      |
| Accuracy FS [%FS]                              | 1,5                                     |
| Long term drift                                | ± 0.5 % FS max.                         |
| Temperature coefficient switch point [%/K]     | 0,05                                    |
| Electrical connection                          | M8<br>3 pin                             |
| Light guide material                           | PC                                      |
| Plug housing material                          | PA<br>brass<br>Chrome and nickel-plated |
| Button field material                          | POM                                     |