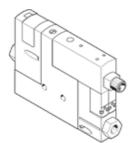
## vacuum generator OVEM-07-H-B-GO-OE-N-2P Part number: 540006

Supply/vacuum port with G threads, exhaust port with open silencer



## **Data sheet**

Feature	Value
Nominal size, Laval nozzle	0.7 mm
Grid dimension	20 mm
Design, silencer	open
Assembly position	Any
Ejector characteristic	High vacuum
	Standard
Grade of filtration	40 μm
Manual override	Pushing
	Additionally via operating buttons
Integrated function	Ejector pulse valve, electrical
	Flow control valve
	Electrical on-off valve
	Filter
	Air saving function, electrical
	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 closed contact
	Normally open contact
Switching function	Window comparator
	Threshold value comparator
Valve function	open
Polarity protected	for all electrical connections
Standard switching input	IEC 61131-2
Type of display	4-place alphanumeric
	Backlit LCD
Indicating range [bar]	-0.999 0 bar
Unit(s) that can be displayed	bar
Hysteresis adjustment range [bar]	-0.9 0 bar
Setting options	Via display and buttons
Switching position indicator	LCD
Operating status display	Optical
Threshold setting range	-0.999 0 bar
Operating pressure	2 8 bar
Operating pressure for max. vacuum	4.1 bar
Max. vacuum	93 %
Nominal operating pressure	6 bar
Max. suction rate with respect to atmosphere	16 l/min
Air supply time at nominal operating pressure	0.4 s
Operating voltage range DC	20.4 27.6 V



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## FESTO

Day cycle         100 %           Incluing protective encirit         Adapted to M2, WA colls           Inscluint vortinge         50 V           Bis current         70 nA           Max. output current         01 nA           Solido output         50 PM           Oblage dop         61 - 1 S V           Characteristic coll data         24 V DC low current phase 0.3 W, high current phase 2.55 W           Solige dort output         Available           Degreed or current metation         3           Authorisation         CU us - Listed (01)           KC mark         KC-RW           CB mark Gee declaration of contomity)         to EU directive for RMC           Operating and plot metfum         Lobricated operation on possible           Corrasion resistance dassification CRC         2.5 Moderate corrasion at ress           Medium temperature         0.5 0 °C           Molein temperature         0.5 0 °C           Relative at humidity         5 - 83 %           Molein temperature         0.5 0 °C           Relative at humidity         5 - 95 °C <th>Feature</th> <th>Value</th>	Feature	Value
Inductive circuitAdapted DVZ, NY, ME colisInductive protective circuit50 VIdle current70 mAMax. output current0.1 mABesidual current0.1 mASwitch output20 MPVoltage dop<1.5 V	Duty cycle	100 %
insulation voltage50 VIde current70 nAMax. output current100 nASwitch output20 NPSwitch output20 NPCharacteristic coil data24 VDC: ion-current phase 0.3 W, high-current phase 2.55 WSwitge storegt0.8 WCharacteristic coil data24 VDC: ion-current phase 0.3 W, high-current phase 2.55 WSwitge storegt0.8 WOretraod withitand capabilityAvailableDegree of contamination2Ke markCC EWCF mark (see declaration of conformity)to EU directif to EMCOperating mediumCompressed ari na confance with ISO8573-1.2010 (7:64)Note on operating and pilot mediumLubricated operation not possibleConsolor resistance classification CRC2. Moderate correlos resistanceNote on operating and pilot mediumLubricated operation not possibleConsolor resistance classification CRC3. So CMedium temperature050 °CMedium temperature050 °CMass: diptering torque3. So With Circatence holePostection classIIIAubient temperature050 °CMass: diptering torque3. So With Circatence holeProduct weight3. So SoProduct weight9. So SoProduct weight9. So SoProduct weight9. So So		Adapted to MZ-, MY-, ME coils
Name, upple current         100 mA           Switch output         2xPIP           Switch output         2xPIP           Claracteristic coll data         22 VDC low-current phase 0.3 W, high-current phase 2.55 W           Switch output         28 VDC low-current phase 0.3 W, high-current phase 2.55 W           Switch output         28 VDC low-current phase 0.3 W, high-current phase 2.55 W           Switch output         Available           Degree of contamination         3           Authorisation         RCM Mark           Clu us- Listed (01)         KC HW           KC HW         KC HW           Compressed in a conformity)         to EU directive for FMC           Operating medium         Compressed in a condance with 1508573-1:2010[7:4:4]           Rote on operating and plot medium         Libricated operation on toposible           Corrasion resistance classification FCC         2. Moderate corrasion stress           Medium temperature         050 °C           Relative ait humitality         5.83 %           Noise level at nominal operating pressure         95 dB[Q]           Product weight         310 g           Product weight         310 g           Product weight         310 g           Product weight         94 %		
Residual current     0.1 mA       Switch output     2.PRP       Voltage dop     <= 1.5 V	Idle current	< 70 mA
Switch output     2PNP       Switch output     2PNP       Characteristic coll data     24 VDC low current phase 0.3 W. high current phase 2.55 W       Surge strength     0.8 kV       Overload withstand capability     Available       Degree of contamination     3       Authorisation     RCM Mark       CUL us - Listed (OL)     CC mark       CC mark     CC-EMW       CC mark (See declaration of conformity)     to EU directive for EMC       Operating medium     Compressed in a cacordance with ISOBS73-1:2010[7:4-4]       Note on operating and plot medium     Ubricated operation not possible       Corresion resistance classification CRC     2. Moderate corrosion stress       Medium temperature     9:50 °C       Relative air humidity     5:85 %       Noise level at nominal operating pressure     56 dB(Q)       Protection class     III       Ambient temperature     0:50 °C       Relative air humidity     5:58 %       Noise level at nominal operating pressure     56 dB(Q)       Protection class     III       Anbient temperature     0:50 °C       Relative air humidity     5:58 %       Noise level at nominal operating pressure     9:50 °C       Protection class     III       Anbient temperature     0:50 °C		100 mA
Voltage dop         <1.5 V		
Characteristic coll data Characteristic coll data Surge strength 0 8 kV Overload withstand capability Available Degree of contamination 3 Authorisation Cit data Degree of contamination 3 Authorisation Cit data		2xPNP
Surge strength       0.8 kV         Overload withstand capability       Available         Opered of contamination       2         Authorisation       RCM Mark         CL us - Listed (01)       KC EMW         CE mark (see declaration of conformity)       to EU directive for EMC         Operating medium       Compressed air in accordance with ISO8573-1:2010 [7.4:4]         Note on operating and pilot medium       Cubricate paration not possible         Corrosion resistance classification CRC       2. Moderate corrosion stress         Medium temperature       0 50 °C         Relative air humidity       5 85 %         Noise level at nominal operating pressure       56 dB(A)         Protection class       III         Ambient temperature       0 50 °C         Max. Egithening torque       2.8 km with female thread         2.5 Mm with clarance hole       Product weight         Product weight       310 g         Pressure measuring range       -1 0 bar         Accuracy, FIS       34%FS         Stitching point reproduchility, FS       0.6 %         Input chreat togic       PUP (positive switching)         Electrical connection, port 1       Product with accessories         Preumatic connection, port 1       GriA/4<		
Overhoad withstand capability         Available           Degree of contamination         3           Authorisation         RCM Mark           c UL us - Listed (01)           KC mark         RC-EMW           CE mark (see declaration of conformity)         to EU directive for EMC           Operating medium         Compressed air in accordance with ISO8573-1:2010[7:4:4]           Note on operating and pilot medium         Cubricated operation new with ISO8573-1:2010[7:4:4]           Note on operating and pilot medium         Cubricated operation new with ISO8573-1:2010[7:4:4]           Note on operating and pilot medium         Cubricated coronsion stress           Medium tomperature         050 °C           Relative air humidity         S 88 %           Notes level at nominal operating pressure         S 86 %[A]           Protection class         III           Ansite temperature         050 °C           Max tightening torque         2.8 M with fearance hole           Product weight         310 g           Pressure measuring range         1 0 Par           Accuracy, FS         3% fS           Synthing point reproducibility, FS         0.6%           Input cricult logic         PMP (positive-switching)           Preturicult ogic         Fpilo		
Degree of contamination         3           Authorisation         BCM Mark           Current Network         CUL us: stated (OL)           KC mark         CC-EMV           CC mark (see declaration of conformity)         to EU directive for EMC           Operating medium         Cubricate operation not possible           Corrosion resistance classification CRC         2           Moderate corrosion stress         Comparation not possible           Corrosion resistance classification CRC         2           Moderate corrosion stress         Combined operation not possible           Corrosion resistance classification CRC         2           Modelum temperature         0 50 °C           Noise level at nomicinal operating pressure         58 dB(A)           Protection class         III           Ambient temperature         0 50 °C           Max. digitteming torque         0.8 M with fremale thread           Product weight         310 g           Pressure measuring range         1 0 bar           Accuracy, FS         3 WFS           Sottching point reproducibility, FS         0.6 %           Piput circuit logic         PIP (positive switching)           Electrical connection         5-pin           Material stote <td< td=""><td></td><td></td></td<>		
Authorisation     RCM Mark       CLU user: Listed QDJ     CLU setted QDJ       KC mark     KC-EMV       CE mark (see declaration of conformity)     to EU directive for EMC       Operating medium     Compressed air in accordance with ISO8573-1:2010 [7:4:4]       Note on operating and pilot medium     Cubricated operation not possible       Corrsion resistance classification RC     2- Moderate corrosion stress       Medium temperature     0 50 °C       Relative air humidity     5-85 %       Noise level at nominal operating pressure     56 dB(0)       Potection class     IP66       Safety class     III       Ambient temperature     0 50 °C       Awa tightening forque     0.8 Nm with female thread       2.5 Nm with clearance hole     Product weight       Product weight     310 g       Pressure measuring range     1 0 bar       Accuracy, FS     0.6 %       Switching point reproducibility, FS     0.6 %       Input circuit logic     PNP (positive-switching)       Electrical connection     5 Jin       Mutari store     Contoms to RoHS       Mounting type     with through hole       with internation     G1/4       Presumatic connection, port 1     G1/4       Presumatic connection, port 3     Integrated silencer		
cLus-isted (QL)           KC mark         KC-ENV           CE mark (see declaration of conformity)         to EU directive for ENC.           Operating medium         Compressed air in accordance with ISO8573-1:2010 [7:4:4]           Note on operating and pilot medium         Ebricated operation on possible           Corrosion resistance classification CRC         2. Moderate corrosion stress           Medium temperature         0 50 °C           Relative air humidity         5.88 5%           Noise level at nominal operating pressure         58 dB(A)           Protection class         III           Ambient temperature         0 50 °C           Max. tiptening torque         2.5 Mw with Cearance hole           Production class         310 g           Pressure measuring range         1 0 bar           Accuracy, FS         3 %FS           Switching point reproducibility, FS         0.e. % a           Nouting type         with through hole           with internal (female) thread         with accesories           Preumatic connection, port 1         G1/4           Preumatic connection, port 1         G1/4           Preumatic connection, port 3         Integrated silencer           Vacuum connection, port 3         Integrated silencer		
KC mark     KC-ENV       CE mark (see detaration of conformity)     to EU directive for EMC       Operating medium     Compressed air in accordance with ISO8573-1:2010[7.4:4]       Note on operating and pilot medium     Cubricated operation not possible       Corrosion resistance classification CRC     2. "Moderate corrosion stress       Medium temperature     0 50 °C       Relative air humidity     5. 85 %       Noise level at nominal operating pressure     58 dB(A)       Protection class     IP65       Safety class     III       Ambient temperature     0 50 °C       Max tightening torque     0.8 Mm with female thread       Ass.     100 °C       Protection class     III       Ambient temperature     0 50 °C       Max tightening torque     0.8 Mm with female thread       Ass.     1 0 bar       Acturacy, F5     3 %F5       Stricting point reproducibility, F5     0.6 %       Input circuit logic     PMP (positive-switching)       Electrical connection     5 µM       Muth internal (female) thread     with accesories       Preumatic connection, port 1     G1/4       Preumatic connection, port 1     G1/4       Preumatic connection, port 3     Integrated silencer       Vacuuut connection, port 3     NBR <t< td=""><td>Authorisation</td><td></td></t<>	Authorisation	
CF mark (see declaration of conformity)     to Ell directive for FMC       Operating medium     Compressed air in accordance with ISOBS73-1:2010 [7:4:4]       Ubricated operating and pilot medium     Libricated operation not possible       Corrosion resistance classification CRC     2. Moderate corrosion stress       Medium temperature     050 °C       Relative air humidity     5:85 %       Noise level at nominal operating pressure     58 dB(A)       Protection class     III       Ambient temperature     050 °C       Max. tightening torque     0.8 Mm with female thread       2.5 Mm with clearance hole     Product weight       Product weight     310 g       Pressure massuring range     10 bar       Accuracy, FS     3 %FS       Switching point reproducibility, FS     06 % 6       Demutatic connection     Spin       Muuting type     with through hole       with internal (female) thread     with accesories       Preumatic connection, port 1     G1/A       Preumatic connection, port 1     G1/A       Material snote     Contains PWS subtances       Contains PWS subtances     Contains PWS subtances       Contains PWS subtances     Pine       Material recever nozzle     POM       Material recever nozzle     POM       Material recev	VC mark	
Operating medium         Compressed air in accordance with ISOS573-1:2010 [7:4:4]           Note on operating and pilot medium         Lubricated operation not possible           Corrosion resistance classification CRC         2. Moderate corrosion stress           Medium temperature         0 50 °C           Relative air humidity         5.85 %           Noise level at nominal operating pressure         58 dB(A)           Protection class         III           Ambient temperature         0 50 °C           Safety class         III           Annisent temperature         0 50 °C           Max. tightening torque         2.8 Mm with female thread           Ascuracy, FS         3 %FS           System measuring range         1 0 bar           Accuracy, FS         3 %FS           System measuring rome         3 %FS           Much through hole         with internal (female) thread           With Circuit logic         PMP (positive-switching)           Input circuit logic         Sign           Pressure measuring range         3.1.4           Nota thread (secord)         With accessories           Product weight         Sign           Note thread (secord)         With thread (secord)           With thread (secord) <td< td=""><td></td><td></td></td<>		
Note on perating and plot medium         Lubricated operation not possible           Corrosion resistance classification CRC         2 - Moderate corrosion stress           Medium temperature         0 S0 °C           Relative air humidity         5 - 85 %           Noise level at nominal operating pressure         58 dB(A)           Protection class         III           Safety class         III           Ambient temperature         0 S0 °C           Max. tightening torque         0.8 Nm with fenance hole           Product weight         310 g           Pressure measuring range         1 0 bar           Accuracy, FS         0.6 %           Switching point reproducibility, FS         0.6 %           Input circuit logic         PMP (positive-switching)           Electrical connection         5 pin           Muting type         with through hole           with intrough hole         with intrough hole           Waterial sonce         Confains PWIS substances           Confains PWIS substances         Confains PWIS substances           Confains PWIS substances         Confains PWIS substances           Conforms to RoHS         Sintered seel           Material filter housing         Alumininum diceast           Material filter ho		
Corrasion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       050 °C         Medium temperature       5 -85 %         Noise level at nominal operating pressure       55 dB(A)         Protection class       1P65         Safety class       11         Ambient temperature       050 °C         Max. tightening torque       0.8 Mw with female thread         Ax. tightening torque       0.8 Mw with female thread         Accuracy, F5       0.6 %         Switching point reproducibility, F5       0.6 %         Input circuit logic       PMP (positive-switching)         Electrical connection       5 pin         Mutating type       with through hole         with internal (tenale) thread       with internal (tenale) thread         Vacuum connection, port 1       G1/4         Presumetic connection, port 3       Integrated slencer         Vacuum connection       Siltered stel         Material reserver nozel       POM         Material sole       Contains TWIS substances         Contains TWIS substances       Contains TWIS substances         Material seals       NBR         Material seals       NBR         Material seals       Stel I		
Median temperature       0 50 °C         Relative air humidity       5 - 85 %         Noise level at nominal operating pressure       55 dB (A)         Protection class       1P65         Safety class       111         Ambient temperature       0 50 °C         Max. tightening torque       0.8 Nm with female thread         2.5 Nm with clearance hole       25 Nm with clearance hole         Pressure measuring range       1 0 bar         Accuracy, FS       3 %FS         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5 pin         Multi through hole       with through hole         with thremal (female) thread       with accessories         Pneumatic connection, port 1       G1/4         Preumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Material sote       Conforms to RHS         Material receiver nozzle       POM         Material filter       Mesh         PA       Sintered steel         Material silencer       Vrought Aluminium alloy         Material filter housing       Aluminium file cast         PA	, _ ,	
Relative air humidity       5 - 85 %         Noise level at nominal operating pressure       58 dB(A)         Protection class       IP65         Safety class       III         Ambient temperature       0 50 °C         Max. tightening torque       0.8 Nm with female thread         2.5 Nm with clearance hole       Product weight         Product weight       310 g         Pressure measuring range       1 0 bar         Accuracy, FS       0.6 %         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         Mounting type       with through hole         with internal (female) thread       with accessories         Pneumatic connection, port 1       G1/4         Material snote       Contains PWIS substances         Conforms to RoHS       Sintered steel         Material filter       PA         Material filter housing       Pi-reinforced         Material filter housing       Sintered steel         Material selsencer       Yought Aluminium alloy         Material filter housing       Aluminium alloy         Material filter housing       Siteel         Material se		
Noise level at nominal operating pressure         \$8 dB(A)           Protection class         IP65           Safety class         III           Ambient temperature         0 50 °C           Max. tightening torque         0.8 M with female thread           2.5 Nm with clearance hole         2.5 Nm with clearance hole           Product weight         310 g           Pressure measuring range         1 0 bar           Accuracy, F5         3 %F5           Switching point reproducibility, FS         0.6 %           Input circuit logic         PNP (positive-switching)           Electrical connection         5 pin           M12x1         Plug           Mounting type         with internal (temale) thread           with internal (temale) thread         with accesories           Pneumatic connection, port 1         G1/4           Preumatic connection, port 3         Integrated silencer           Vacuum connection         G1/4           Material sels         NBR           Material receiver nozzle         POM           Material filter         PA           PA         Sintered steel           Material filter housing         Aluminium die cast           PA-reinforced         Material steree		
Protection class       IP65         Safety class       III         Ambient temperature       0 50 °C         Max. tightening torque       2.8 Nm with female thread         2.5 Nm with clearance hole         Product weight       310 g         Pressure measuring range       1 0 bar         Accuracy, FS       3 %F5         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         Mut through hole       with internal (female) thread         Wature       Plug         Mounting type       with through hole         Waterials note       Contains PWIS substances         Contains PWIS substances       Conforms to RMIS         Vacuum connection       G1/4         Material seals       NBR         Material filter       PA         PA       Sintered steel         Material filter housing       Atuminum die cast         PA reinforced       Material selsence         Material sels       Steel         Material sels       Steel         Material filter housing       PA reinforced         Material filter housing       PA reinforced </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	
Safety class     II       Ambient temperature     0 50 °C       Max. tightening torque     0.8 Nm with female thread       2.5 Nm with clearance hole     2.5 Nm with clearance hole       Product weight     310 g       Pressure measuring range     1 0 bar       Accuracy, FS     3 %FS       Switching point reproducibility, FS     0.6 %       Input circuit logic     PNP (positive-switching)       Electrical connection     5-pin       M12x1     Plug       Mounting type     with through hole       with accessories     Plug       Pneumatic connection, port 1     G1/4       Pneumatic connection     G1/4       Materials note     Contains PWIS substances       Conforms to RoHS     Material seals       Material filter housing     PA-reinforced       Material filter housing     PA-reinforced       Material filter housing     Aluminium die cast       PA-reinforced     Wrought Aluminium alloy       Material screen     PA       Material screen     Steel       Material screen     PA       Material screen     PA <tr< td=""><td></td><td></td></tr<>		
Ambient temperature       050 °C         Max. tightening torque       2.5 Nm with female thread         2.5 Nm with clearance hole         Product weight       310 g         Pressure measuring range       -10 bar         Accuracy, FS       3 %FS         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         Mutring type       with through hole         with intrough hole       with internal (female) thread         with accessories       21/4         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Material note       Contains PWIS substances         Material receiver nozzle       POM         Material receiver nozzle       POM         Material filter       Mesh         PA       Sintered steel         Material receiver nozzle       POM         Material silencer       Wrought Aluminum die cast         PA-reinforced       Material silencer         Material filter housing       PA-reinforced         Material silencer       Wrought Aluminum alloy		
Max. tightening torque       0.8 Nm with female thread         2.5 Nm with clearance hole         Product weight       310 g         Pressure measuring range       10 bar         Accuracy, FS       3 %FS         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         M12x1       Plug         Mounting type       with through hole         with internal (female) thread       with accessories         Pneumatic connection, port 1       G1/4         Preumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Material seals       NBR         Material seals       NBR         Material receiver nozzle       POM         Material filter       Mesh         PA       Sintered steel         Material seals       Steel         Material seals       Yrought Aluminium alloy         PU foam       PL foam         Material serves       Steel         Material serves       Steel         Material serves       Steel         Material serves       Steel         Material serves		0 50 °C
2.5 Nm with clearance hole         Product weight       310 g         Pressure measuring range       1 0 bar         Accuracy, FS       3 %FS         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         Mutral       Plug         Mounting type       with through hole         with internal (female) thread       with internal (female)         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Materials note       Contains PWIS substances         Contains PWIS substances       Conforms to RoHS         Material receiver nozzle       POM         Material filter       Mesh         PA       Sintered steel         Material filter housing       PA-reinforced         Material selsencer       Steel         Material selsencer       Steel         Material screws       Steel         Material screws       Steel         Material screen       PA A         Steel       Material electrical contact         Material screen       PA <td></td> <td></td>		
Pressure measuring range       10 bar         Accuracy, FS       3%FS         Switching point reproducibility, FS       0.6%         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         M12x1       Plug         Mounting type       with through hole         with internal (female) thread       with internal (female) thread         with accessories       Pneumatic connection, port 1         Pneumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Material seals       NBR         Material seals       NBR         Material filter       Mesh         PA       Sintered steel         Material filter housing       PA-reinforced         Material sole       Sintered steel         Material silencer       Wrought Aluminium alloy         PA-reinforced       Material silencer         Material silencer       PA-reinforced         Material silencer       PU foam         Material silencer		2.5 Nm with clearance hole
Accuracy, FS       3%FS         Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         M12x1       Plug         Mounting type       with through hole         with internal (female) thread       with accessories         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Materials note       Contains PWIS substances         Contains TWIS substances       Conforms to RoHS         Material receiver nozzle       POM         Material filter       Mesh         PA       Sintered steel         Material filter housing       PA-reinforced         Material sense       Steel         Material sense       Steel         Material sense       Steel         Material filter rousing       Acuminium die cast         PA-reinforced       PA-reinforced         Material sencer       Wrought Aluminium alloy         PU foam       Steel         Material sencer       PU foam         Material sencer       PA         Material sencer       Steel	Product weight	310 g
Switching point reproducibility, FS       0.6 %         Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         M12x1       Plug         Mounting type       with through hole         with internal (female) thread       with accessories         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Materials note       Contains PWIS substances         Conforms to RoHS       Material receiver nozzle         Material receiver nozzle       POM         Material filter       Mesh         PA       Sintered steel         Material adjusting screw       Steel         Material silencer       Wrought Aluminium alloy         PU foam       PU foam         Material screws       Steel         Material connector housing       Nickel-plated brass         Material context on busing       PA         PA       Steel         Material screws       Steel         Material screws       Steel         Material screws       Steel         Material connector housing       Nickel-plated brass         Material connector		
Input circuit logic       PNP (positive-switching)         Electrical connection       5-pin         M12x1       Plug         Mounting type       with hrough hole         with accessories       with accessories         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 3       Integrated silencer         Vacuum connection       G1/4         Materials note       Contains PWIS substances         Conforms to RoHS       Material seals         Material filter       Mesh         PA       PA         Material filter housing       PA-reinforced         Material algusting screw       Steel         Material screen       Wrought Aluminium alloy         PU foam       Steel         Material screen       PA         Material connect or housing       Steel         Material screen       PA         Material screen       PA         Material screen       PA         Material connect or housing       Nickel-plated brass         Material screen       PA         Material screen       PA         Material connect or housing       Nickel-plated brass         Material electrical contact       Brass, gold-plated	Accuracy, FS	3 %FS
Electrical connection       5-pin         M12x1       Plug         Mounting type       with through hole         with internal (female) thread       with accessories         Pneumatic connection, port 1       G1/4         Pneumatic connection port 3       Integrated silencer         Vacuum connection       G1/4         Materials note       Contains PWIS substances         Conforms to RoHS       Contains PWIS substances         Material receiver nozzle       POM         Material filter       PA         Sintered steel       Sintered steel         Material filter housing       PA-reinforced         Material silencer       Wrought Aluminium alloy         Material silencer       Wrought Aluminium alloy         Material silencer       Wrought Aluminium alloy	Switching point reproducibility, FS	
Mi2x1         Plug         Mounting type         with through hole with internal (female) thread with accessories         Pneumatic connection, port 1         G1/4         Pneumatic connection, port 3         Integrated silencer         Vacuum connection         G1/4         Materials note         Conforms to RoHS         Material seals         Material receiver nozzle         PoM         Material filter         Material filter housing         PA-reinforced         Material adjusting screw         Material screws         Material connector housing         Material connector housing         Material screws         Material screws         Material screws         Material screws         Material connector housing         Material electrical contact	, _	PNP (positive-switching)
Plug           Mounting type         with through hole with internal (female) thread with accessories           Pneumatic connection, port 1         G1/4           Pneumatic connection, port 3         Integrated silencer           Vacuum connection         G1/4           Materials note         Contains PWIS substances           Conforms to RoHS         Conforms to RoHS           Material seals         NBR           Material receiver nozzle         POM           Material filter         Mesh PA           Sintered steel         Aluminium die cast PA-reinforced           Material aligusting screw         Steel           Material servers         Steel           Material screws         Steel           Material screws         Steel           Material connector housing         Nickel-plated brass           Material electrical contact         Brass, gold-plated           Material plins         Steel	Electrical connection	5-pin
Mounting type       with through hole         with internal (female) thread         with accessories         Pneumatic connection, port 1         Pneumatic connection, port 3         Integrated silencer         Vacuum connection         G1/4         Materials note         Conforms to RoHS         Material seals         Material receiver nozzle         POM         Material filter         Material filter housing         PA-reinforced         Material adjusting screw         Material silencer         Wrought Aluminium alloy         PU foam         Material screws         Steel         Material screwn		
with internal (female) thread with accessoriesPneumatic connection, port 1G1/4Pneumatic connection, port 3Integrated silencerVacuum connectionG1/4Materials noteContains PWIS substances Conforms to RoHSMaterial sealsNBRMaterial receiver nozzlePOMMaterial filterMesh PA Sintered steelMaterial filter housingPA-reinforcedMaterial sealsAluminium die cast PA-reinforcedMaterial selncerVrought Aluminium alloyMaterial screwsSteelMaterial screwsSteelMaterial screwsSteelMaterial contactBrass, old-plated brassMaterial electrical contactBrass, old-platedMaterial lencerVirought Aluminium alloyMaterial spinsSteel		
with accessoriesPneumatic connection, port 1G1/4Pneumatic connection, port 3Integrated silencerVacuum connectionG1/4Materials noteContains PWIS substances Conforms to RoHSMaterial sealsNBRMaterial receiver nozzlePOMMaterial filterMesh PA Sintered steelMaterial filter housingPA-reinforcedMaterial sealsAluminium die cast 	Mounting type	5
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Material transmitter nozzle Wrought Aluminium alloy	Material pins	
Material keypad TPE-U		Wrought Aluminium alloy
	Material keypad	- ;

## FESTO

Feature	Value
Material fitting	Anodised wrought aluminium alloy