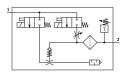
Vacuum generator OVEM-20-H-C-QO-CE-N-1PD Part number: 8070095







Data sheet

General operating condition

Feature	Value
Nominal width of Laval nozzle	2 mm
Width dimension	36 mm
Muffler construction type	Open
Mounting position	Any
Ejector characteristics	High vacuum Standard
Grade of filtration	40 μm
Manual override	Non-detenting Additionally via operating buttons
Integrated function	Ejector pulse valve, electric Flow control Shut off valve, electric Compressed air filter Air saving function, electrical Non-return valve Pneumatic muffler open Vacuum switch
Structural design	Modular
Short-circuit protection	yes
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching element function	N/C contact N/O contact
Switching function	Window comparator Threshold value comparator
Symbol	00992094
Valve function	Closed
Reverse polarity protection	for all electrical connections
Switching input to standard	IEC 61131-2
Display type	4-character alphanumeric Back-lit LCD
Display range	-0.999 bar 0 bar
Displayable unit(s)	bar
Setting range hysteresis	-0.9 bar 0 bar
Setting options	Via display and pushbuttons
Switching position indication	LCD
Switching status indication	Optical
Setting range threshold value	-0.999 bar 0 bar
Operating pressure	2 bar 8 bar

Operating pressure for max. vacuum 4 bar Max. vacuum 93 % Morninal operating pressure 6 bar Max. suculina rate with respect to atmosphere 98 l/min Aff supply time a forminal operating pressure 0.2 DC operating voltage range 20.4 v 27.6 v Duty cycle 100% Inductive protective circuit Adapted to MZ, MY and ME coils insolation voltage 50 V inductive protective circuit 70 mA Max. output current 100 mA Switching output PNP Voltage drop 27 V Colic characteristics 24 V DC: low-current phase 0.3 W, high-current phase 2.55 W Surge resistance 0.8 kV Overland protection Available Contrainmation feed 3 Certification RCM compliance mark Certification RCM compliance mark Certification RCM compliance mark Certification RCM compliance mark UKC hardwing Gee declaration of conformity) As per ELEMC directive UKC hardwing Gee declaration of conformity	Feature	Value
Nominal operating pressure Max. suction rate with respect to atmosphere Max. such and the such as a s	Operating pressure for max. vacuum	4 bar
Max suction rate with respect to atmosphere Air supply time at nominal operating pressure Duty cycle Duty Cycl	Max. vacuum	93 %
Air supply time at nominal operating pressure DC operating voltage range 22.4 V 27.6 V	Nominal operating pressure	6 bar
DC operating voltage range Duty cycle ID079 Duty cycle ID079 Insulation voltage SD V Idel current Adapted to NVZ, MV and ME coils Insulation voltage Adapted to NVZ, MV and ME coils Insulation voltage ID00 mA Max. output current ID00 mA Residual current DO mA Residual current DO mA Residual current DO mA Residual current DO mA Residual current PNP Voltage drop S2V Coil characteristics SQ AV V DC: low-current phase 0.3 W, high-current phase 2.55 W Surger resistance Do ak V Overload protection Available Contamination level CE marking Gee declaration of conformity) RC Certification RC Mc compliance mark cult us - listed (01) RC Certification RC Mc compliance mark cult us - listed (01) RC Certification RC Mc RC	Max. suction rate with respect to atmosphere	98 l/min
DC operating voltage range Duty cycle ID079 Duty cycle ID079 Insulation voltage SD V Idel current Adapted to NVZ, MV and ME coils Insulation voltage Adapted to NVZ, MV and ME coils Insulation voltage ID00 mA Max. output current ID00 mA Residual current DO mA Residual current DO mA Residual current DO mA Residual current DO mA Residual current PNP Voltage drop S2V Coil characteristics SQ AV V DC: low-current phase 0.3 W, high-current phase 2.55 W Surger resistance Do ak V Overload protection Available Contamination level CE marking Gee declaration of conformity) RC Certification RC Mc compliance mark cult us - listed (01) RC Certification RC Mc compliance mark cult us - listed (01) RC Certification RC Mc RC		0.2 s
Duty cycle Inductive protective circuit Inductive protective Inductive Indu		20.4 V 27.6 V
Insulation voltage 100 mA	Duty cycle	100%
idle current (70 mA Max. output current 100 mA Max. output current 100 mA Switching output (20 ma) Switching output (20 m	Inductive protective circuit	Adapted to MZ, MY and ME coils
Max. output current Residual current O.1 mA Switching output Voltage drop 42 V Coil characteristics 24 V DC: low-current phase 0.3 W, high-current phase 2.55 W Surge resistance O.8 kV Overload protection Available Contamination level 3 Certification RCM compliance mark cUL us - Listed (01) KC characters CE marking (see declaration of conformity) NA SP PEU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC Operating medium Operating medium Operating medium Corrosion resistance class (CRC) 2 - Moderate corrosion stress CABS (WRS) conformity VDMA2-364 zone III Temperature of medium OP -C50 PC Relative air humidity S - 85 % Noise level at nominal operating pressure Ogere of protection Rax. tightening torque Degree of protection Protection class III Ambient temperature OP -C50 PC Max. tightening torque Degree of protection Prosessure measuring range 1-1 bar O bar Accuracy in 2 % FS Reproductibility, switching value FS Operating with internal thread 2.5 Nm with through-hole Protection against tampering Phy Constitue of the Complex of the Comp	Insulation voltage	50 V
Residual current Switching output PNP Voltage drop 2 V Coll characteristics 24 V DC: low-current phase 0.3 W, high-current phase 2.55 W Surge resistance 0.8 kV Overload protection Available Contamination level 3 Certification Cit us-'tiefd (OL) KC characters CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK Characters Compressed air as per ISO 8573-1:2010 [7:4:40] Operating medium Corrosion resistance class (CRC) Derating medium Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA2/364 Zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at noimal operating pressure 0 22 dB(A) Degree of protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.3 Nm with internal thread 2.3 Nm with internal thread 2.3 Nm with internal thread 2.3 Nm with through-hole Product weight Prosection Protection against tampering Protection against tamper	Idle current	<70 mA
Switching output Voltage drop 22 V Coll characteristics 24 V DC: low current phase 0.3 W, high-current phase 2.55 W Surge resistance 0.8 kV Overload protection Available Contamination level 2 Certification RCM compliance mark cU Us- Listed (DL) KC characters KC EMC CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) Information on operating and pilot media Operation media Operation media Corrosion resistance class (CRC) 2 Moderate corrosion stress LABS (PWIS) conformity VDMA24364 abou BII Temperature of medium O *C 50 *C Relative air humidity As 39 *S Noise level at nominal operating pressure 2 dB(A) Degree of protection class III Ambient temperature 0 "C 50 *C Awaiting forque 2.5 Nm with internal thread 2.5 Nm with through-hole Product weight Pressure measuring range -1 bar 0 bar Accuracy in * % F5 3 % F5 Reproducibility, switching value FS Input switching logic PPIN Code PIN Code PIN Code PIN Code PIN Code Pineumatic connection 1 PN Code Presumatic connection Q S-10 Pneumatic onnection Q S-10 Pneumatic connection Q S-10 Pneumatic onnection Q S-10 P	Max. output current	100 mA
Voltage drop	Residual current	0.1 mA
Coli characteristics	Switching output	PNP
Surge resistance Overload protection Available Contamination level Contamination level RC Cetrification RCM compliance mark cUL us - Listed (OI) RC Characters RC 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 8973-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 2 - Moderate corrosion stress UMCA marking (see declaration of conformity) VDMA24/364 zone III Temperature of medium 0 °C	Voltage drop	≤2 V
Overload protection Overload protection Ontamination level 3 Certification RC drompliance mark cUL us - Listed (OU) RC characters RC EMC CE marking (see declaration of conformity) To UK instructions for EMC Operating medium Operating in illubrication not possible Octrosion resistance class (CRC) 2 - Moderate corrosion stress ALBS (PWIS) conformity VDMA24364 zone III Temperature of medium O °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Operation class III Ambient temperature O °C 50 °C Max. tightening torque OS Mm with internal thread 2.5 Mm with through-hole Product weight Pressure measuring range 1 bar obar Accuracy in ± % FS Reproducibility, switching value FS Opin Grupt switching logic Electrical connection PIN code Type of mounting With through-hole With internal thread With accessories Pheumatic connection 1 Pheumatic connection 3 Pheumatic connection 3 Pheumatic connection 3 Pheumatic connection 3 Pheumatic connection 4 Phouse on materials Seals material Nas Rallation Rallati	Coil characteristics	24 V DC: low-current phase 0.3 W, high-current phase 2.55 W
Contamination level 3 Certification RCM compliance mark cult us - Listed (OL) KC characters KC EMC 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 Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0° C, 50° C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection Protection class III Ambient temperature 0° C, 50° C Max. tightening torque 2.5 Nm with internal thread 2.5 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PPP (positive switching) Electrical connection Spin M1241 Pilug Protection against tampering PIN code With through-hole With internal thread With accessories PPR community With through-hole With internal thread With accessories PPR community With through-hole With internal thread With accessories PROMOUNT ACCESSORIES	Surge resistance	0.8 kV
Gertification RCM compliance mark c UL us - Usted (OL) KC characters KC EMC 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 Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole 2.5 Nm with through-hole Protuct weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in *% FS 3 %FS Reproducibility, switching value FS 0.6 % Input switching logic PNP (positive switching) Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole with internal t	Overload protection	Available
KC characters C LMC KC characters KC EMC 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 Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VOMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 km with internal thread 2.5 km with through-hole Protection class Pressure measuring range 1 bar 0 bar Accuracy in ± % FS 3 %FS Reproducibility, switching value FS 0.6 % Input switching logic PNP (positive switching) Electrical connection Minamental thread with accessories Protection against tampering PIN	Contamination level	3
CE marking (see declaration of conformity) DE COMPRESSE d'air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection P65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 2.5 Nm with internal thread 3 %FS Reproducibility, switching value FS 0.6 % Input switching logic Electrical connection 1 PP Code Protection against tampering PIN code Protection against tampering PIN code Pin code With through-hole With internal thread With accessories Peneumatic connection 1 Peneumatic connection 1 Peneumatic connection 3 Peneumatic connection 3 Peneumatic connection 3 Peneumatic connection 4 PS-12 PN P	Certification	
UKCA marking (see declaration of conformity) 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 Ocrorosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 ° C 50 ° C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 ° C 50 ° C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range 1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Fleetrical connection Protection against tampering Protection against tampering With through-hole With internal thread W	KC characters	KC 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 Corrosion resistance class (CRC) 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range 1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS 0.6 % Input switching logic PPNP (positive switching) Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection QS-12 Note on materials ROBS-compliant NBR NBR	CE marking (see declaration of conformity)	As per EU EMC directive
Information on operating and pilot media Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 Mo with internal thread 2.5 Mm with through-hole Product weight 825 g Pressure measuring range 1 bar 0 bar Accuracy in ± % FS 3 %FS Reproducibility, switching value FS Input switching logic Electrical connection PNP (positive switching) Electrical connection With through-hole With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic muffler Vacuum connection 4 QS-12 Note on materials RoHS-Compliant HNBR NBR	UKCA marking (see declaration of conformity)	To UK instructions for EMC
Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range 1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic Electrical connection Type of mounting Protection against tampering Pin code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 Pneumatic connection 2 Pneumatic on materials Seals material HNBR NBR	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity Temperature of medium O °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection Protection class III Ambient temperature O °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Electrical connection Spin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection QS-12 Note on materials Seals material HNBR NBR	Information on operating and pilot media	Operation with oil lubrication not possible
Temperature of medium O °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection Protection class III Ambient temperature O °C 50 °C Max. tightening torque 2.5 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS 8 preducibility, switching value FS 0.6 % Input switching logic Protection against tampering Protection against tampering Protection against tampering Protection against tampering Preumatic connection QS-10 Pneumatic connection QS-12 Note on materials Seals material HNBR NBR	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Relative air humidity 5 - 85 % Noise level at nominal operating pressure 62 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0°C 50 °C Max. tightening torque 2.5 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic muffler Vacuum connection 1 Pneumatic Seals material HNBR NBR NBR	LABS (PWIS) conformity	VDMA24364 zone III
Noise level at nominal operating pressure Degree of protection Degree of protection Protection class III Ambient temperature O°C 50°C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Electrical connection S-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 3 Pneumatic connection 3 QS-10 Note on materials RehS-compliant Seals material HNBR NBR	Temperature of medium	0 ℃ 50 ℃
Degree of protection Protection class III Ambient temperature O °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 3 Pneumatic connection 3 Pneumatic connection 3 Pneumatic connection 4 RoHS-compliant Seals material HNBR NBR	Relative air humidity	5 - 85 %
Protection class Ambient temperature O °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight Product weight Pressure measuring range 1-1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS 0.6 % Input switching logic PNP (positive switching) Electrical connection S-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection Vacuum connection QS-12 Note on materials RoHS-compliant HNBR NBR	Noise level at nominal operating pressure	62 dB(A)
Ambient temperature Max. tightening torque 0.8. Nm with internal thread 2.5. Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS 0.6 % Input switching logic PNP (positive switching) Electrical connection Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 Pneumatic connection 2 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-10 Note on materials RoHS-compliant HNBR NBR	Degree of protection	IP65
Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS 0.6 % Input switching logic PNP (positive switching) Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 2 Vacuum connection QS-12 Note on materials RoHS-compliant HNBR NBR	Protection class	III
2.5 Nm with through-hole Product weight 825 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant HNBR NBR	Ambient temperature	0 ℃ 50 ℃
Pressure measuring range Accuracy in ± % FS Reproducibility, switching value FS O.6 % Input switching logic PNP (positive switching) Electrical connection S-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials Seals material HNBR NBR	Max. tightening torque	
Accuracy in ± % FS Reproducibility, switching value FS Input switching logic PNP (positive switching) Electrical connection S-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 3 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials Seals material HNBR NBR	Product weight	825 g
Reproducibility, switching value FS Input switching logic Electrical connection For pin M12x1 Plug Protection against tampering PIN code Type of mounting Pneumatic connection 1 Pneumatic connection 3 Vacuum connection 3 Vacuum connection QS-12 Note on materials Seals material Note on material O.6 % PNP (positive switching) PNP (positive switching) Pin (positive s	Pressure measuring range	-1 bar 0 bar
Input switching logic Electrical connection S-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant Seals material	Accuracy in ± % FS	3 %FS
Electrical connection 5-pin M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Reproducibility, switching value FS	0.6 %
M12x1 Plug Protection against tampering PIN code Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Input switching logic	PNP (positive switching)
Type of mounting With through-hole With internal thread With accessories Pneumatic connection 1 QS-10 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Electrical connection	M12x1
With internal thread With accessories Pneumatic connection 1 Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Protection against tampering	PIN code
Pneumatic connection 3 Pneumatic muffler Vacuum connection QS-12 Note on materials RoHS-compliant HNBR NBR	Type of mounting	With internal thread
Vacuum connection QS-12 Note on materials RoHS-compliant Seals material HNBR NBR	Pneumatic connection 1	QS-10
Note on materials Seals material HNBR NBR	Pneumatic connection 3	Pneumatic muffler
Seals material HNBR NBR	Vacuum connection	QS-12
NBR	Note on materials	RoHS-compliant
Female nozzle material POM	Seals material	
	Female nozzle material	РОМ

Feature	Value
Compressed air filter material	Fabric PA Sintered steel
Material of filter housing	PA-reinforced
Housing material	Wrought aluminum alloy PA-reinforced
Material of adjusting screw	Steel
Muffler material	Wrought aluminum alloy POM PU foam
Material of screws	Steel
Inspection window material	PA
Material of plug housing	Brass, nickel-plated
Material of pin contacts	Brass, gold-plated
Material of pins	Steel
Material of jet nozzle	Wrought aluminum alloy
Material of keypad	TPE-U
Material of pneumatic fitting	Brass, nickel-plated