Vacuum generator OVEM-05-H-B-QO-CE-N-LK Part number: 8037693



Data sheet

1	2

General operating condition

Feature	Value
Nominal width of Laval nozzle	0.45 mm
Width dimension	20 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	IO-Link® Via display and pushbuttons
Switching position indication	LCD
Switching status indication	Optical
Setting range threshold value	-0.999 bar 0 bar

Operating pressure for max. vacuum 5.1 bar Max. vacuum 93 % Max. vacuum 93 % Max. sucuum 93 % De operating pressure for max. 93 % Dury cycle 100 % Insulation voltage 100 % Max. output current 10 mA Solitching output 2xPNP Voltage drop 4,8 % Outprotection Available Contrainiation level 3 Contrainiation level 3 Canating (see declaration of conformity) Ko per EU EX directive UKCA maxing (see declaration of conformity) Ko per EU EX directive UKCA maxing (see declaration of conformity) Ko peration with oil lubrication on to possible Canating (see declaration of conformity) You Save Save Save Save Save Save Save Save	Feature	Value
Max. vacuum 93 %. Nominal operating pressure 6 bar Max. suction rate atmosphere 6 // min Air supply time at nominal operating pressure 0.2.5 Duty cycle 100% Bisolation voltage 50 V Max. output current 100 nA Recidual current 0.1 mA Softching output 2.6 PNP Voltage drop -1.8 V Coll characteristics 2.4 V DC: low current phase 0.3 W, high current phase 2.55 W Sorger resistince 0.4 IW Overload protection Available Contraintion (evel 3 Contraintion (evel 3 Contraintion (evel 3 Containtion (evel 3 Containtion of conformity) As per EU EMC directive Mick and pilot media Operation with oil lubrication not possible Constron residence class (CRO) 2.4 Mext avacuum UMSA head pilot media Operation with oil lubrication not possible Constron residence class (CRO) 2.4 Mext avacuum Nobe level at nominal operating pressure 3.6 Mext avacuum Order at some class (CRO) 2.6 Mext avacuum Degree of protection 0.6 % Degree of protection 1.6 Mext avacuum Degree of protection </td <td>Operating pressure</td> <td>2 bar 8 bar</td>	Operating pressure	2 bar 8 bar
Nominal operating pressure 6 bar Max. suction rate with respect to atmosphere 0.2 as DC operating voltage range 0.2 as Duty cycle 100% Issualion voltage 30 V Mas. output current 0.1 m A Switching outage 0.1 m A Switching output current 0.1 m A Switching output current 0.1 m A Switching output 2.4 N C: low-current phase 0.3 W, high-current phase 2.55 W Octoratinitation level 0.4 kV Surge resistance 0.8 kV Overload protection Available Contamination level 3 Centrification 20 Concorrent phase 0.3 W, high-current phase 2.55 W Oxerolad protection Available Contamination level 3 Certification 20 Line - Listed (0.1) KC characters KC EMC CE marking (see declaration of conformity) To UK instructions for EMC Operating and pilot media Operation with oil ubrication not possible Corrosion residue darso (RCQ) 2. Moderate corresion stress LASS (WICS) conformity VDMA22464 correl III Temperature of medium 0°C	Operating pressure for max. vacuum	5.1 bar
Max. suction rate with respect to atmosphere 61/min Air supply time at moninal operating pressure 0.7 s Dop ording voltage range 20.4 V	Max. vacuum	93 %
Max. Suction rate with respect to atmosphere 6./min Air supply time at nominal operating pressure 0.2 s Daty cycle 100% Insulation voltage 20 V Daty cycle 100 mA Residual current 100 mA Synchring source 2.8 PNP Voltage drop -1.8 V Coll characteristics 24 V DC low-current phase 0.3 W, high-current phase 2.55 W Singe resistance 0.8 kW Overload protection Available Contamination level 3 Certification RCM compliance mark CE marking Gee dicularition of conformity) As per EU EWG directive WCX-marking Gee dicularition of conformity) To UK instructions for EMC Operating medium Compressed air as per ISO 8573-1:2010 (7.4-4.4) Information on operating and pilot media Operation stress Corrison resistance class CISCO 2- Moderate corrosins resistance Operating medium Compressed air as per ISO 8573-1:2010 (7.4-4.4) Information on operating and pilot media Operation stress Corrosion resistance class CISCO 2- Moderate corrosion stress	Nominal operating pressure	6 bar
Air supply time at nominal operating pressure 0.2 s DC operating voltage ange 20.4 V 27.6 V Dury cycle 100% Insulation voltage 50 V Max. output current 0.1 mA Switching output 2xPNP Switching output 2xPNP 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 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 cli us - Listed (0.1) KC Encor EE CE marking (see declaration of conformity) KE ENC CE marking (see declaration of conformity) KE ENC Certification Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with on Ulucitation not possible Corroston resistance class (CRC) 2 - Moderate corrosion stress LAS (PWIS) conformity VDM-24364 zone III Temperature of medium 0 <		6 l/min
DC operating voltage range 20.4 V 27.6 V Duty cycle 10% Insulation voltage 50 V Max. output current 0.1 mA Switching output 2xPNP Voltage drop 21.8 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 Contramination level 3 Certification RCM compliance mark cUL us - Listed (01) KC characters KC ENC CE marking Gee declaration of conformity) As per EU ENd clinective UKCA marking Gee declaration of conformity) To UK Instructions for EMC Operating medium Compressed at as per 150 8573-1:2010 (7:4:4) Information on operating and pilot media Operation well Operating medium Off-c50 °C Relative air humidity S 85 % Obsice level at forming pressure 51 dB(A) Degree of protection IP65 Protection class III Protection class III Protection class III Outrink y first 32 s g Protection class III Protection class III Protection class III De		0.2 s
Duty cycle 100% Insulation voltage 50 V Max. output Current 100 nA Beidialia Current 0.1 mA Switching output 2xPNP Voltage drop 4.8 V Coll characteristics 24 VDC. low current phase 0.3 W, high current phase 2.55 W Surge resistance 0.8 kV Overload protection Available Contamination level 3 Cartification RCM compliance mark. CLL us - Listed (DL) KC CC characterists KC EMC CC anarking (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 ail lubrication not possible Corrosion resistance class (CRC) 2 - Moderate currosion stress LBS PWIS controlinty VDMA2354 arene III Temperature of medium 0*C 50 °C Relative air humidity 5 - 85 % Noise level at nonial operating pressure 51 dB(A) Degree of protection IP65 Protection class III Mais. Egittering torque 25 f Note in thread 25 g		20.4 V 27.6 V
Insulation voltage 50 V Max. output current 100 mA Residual current 0.1 mA Switching output 2xPNP Voltage drop 4.8 V Coll characteristics 2x V DC: low-current phase 0.3 W, high-current phase 2.55 W Outerload protection Available Contamination level 3 Certification RCM compliance mark. Cil Lus - Listed (RL) Certification KC Emac KC EMC CE marking (see declaration of conformity) As per EU EMC directive UKC-marking Gee declaration of conformity) To Uk instructions for FMC Operating medium Compressed air as per ISO 8573 1:2010 [7:4:4] Information on operating and pilot media Operation with 0il lubrication not possible Corrordon resistance class (CRC) 2 Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Teather air huminidity 5: a5 % Noise level at nominal operating pressure 51 dB(A) Degree of protection IP65 Protection Class III Protection Reside Sim with internal thread Degree of protection IP65 Protection Reside Sim with internal thread Degree of protection IP5 Pressure m		
Max. output current 100 mA Residual current 0.1 mA Switching output 2xPNP Voltage drop s1.8 V Coll characteristics 24 V DC: low-current phase 0.3 W, high-current phase 2.55 W Sugre resistance 0.8 kV Overload protection Available Contamination level 3 Caritification RCM compliance mark. C Claracters KC EMC CC characters KC EMC CC characters KC EMC CT 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 Ubrication not possible Carrosion resistance class (CRC) 2 -Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 < 50 < C		50 V
Residual current 0.1 mA Switching output ZxPNP Voltage drop 1.8 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 RCM compliance mark Cut us - Listed (DL) KC EMARC Certification Conformity) KC characters KC EMC CE marking (see declaration of conformity) To UK instructions for EMC UKCA marking (see declaration of conformity) To UK instructions for EMC Operating medium Compressed air as per 150 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (KCQ) 2. Moderate corrosion stress LABS (PWS) conformity VDMA2364 zone III Temperature of medium O*C 50 *C Relative ai nominal operating pressure 51 dB(A) Degree of protection IP65 Protection 128 III Protection 128 S Product weight 32 S <		100 mA
Switching output 2xPNP Voltage drop 4.8 V Coil 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 RCM compliance mark Cull us - listed (DI) 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 aria 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 LBS (PMIS) conformity VDMA23454 zone II Temperature of medium 0 °C 50 °C Relative air humidity 5-85 % Noise level at nominal operating pressure 51 dB(A) Degree of protection P65 Protection class III Ambient temperature 0.4 % Accuracy in * % F5 3 %F5 Perioduct Weight 325 g		
Voltage drop \$1.8 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 Contramiation level 3 Cartification RCM compliance mark c UL us - Listed (01) KC characters KC EMC Camarking (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 150 8373-1:2010[7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Corrosion resistance class (CRQ) 2 - Moderate corrosion sites CABS (PWIS) conformity VDMA2364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 -85 % Noise level at nominal operating pressure 51 dB(A) Degree of protection IP65 Protection class III Anabient temperature 0 °C 50 °C Max. tighttening torque 2.8 % Volacus eight 325 g Pressure measuring range 1 bar 0 bar Acc		
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 RCM compliance mark current phase 0.3 W, high-current phase 0.4 W Cut us-: Listed (OU) KC Enarcters KC characters KC EMC Certification of conformity) As per EU EMC directive UKC- marking case 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 Opperation with oil lubrication not possible Corresion resistance class (CRC) 2 - Moderate corrosion stress LABS (PMIS) conformity VDMA24364 zone III Temperature of medium 0 < 50 < C		
Surge resistance 0.8 kV Overload protection Available Contamination level 3 Centification RCM compliance mark cUL us . Listed (01) 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 Ub/rication not possible Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA2354 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 .85 % Noise level at nominal operating pressure 51 dB(A) Degree of protection IP65 Protection class III Arcuracy in a % r5 3 %F5 Recuracy in a % r5 0.6 % Protocol IO-link@ IO-Link@, protocol version Device Y 1.1 IO-Link@, protocol version Delay avariable (PDV) IO-Link@, protocol version D		
Overload protection Available Contamination level 3 Certification RCM compliance mark (UL us - Listed (OL) KC characters KC EMC Cartamination [see declaration of conformity) As per EU EMC directive UKC marking (see declaration of conformity) As per EU EMC directive UKC 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 ABS (PMIS) conformity VDMA24364 zone [II Temperature of medium 0 *C 50 *C Relative air humidity 5. 88 % Noise level at nominal operating pressure 51 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 *C 50 *C Max. tightening torque 2.5 fg Pressure measuring range -1 bar 0 bar Accuracy in * % FS 0.6 % Protocol IO-Link@, proteol I		
Contamination level 3 Certification RCM compliance mark cUL 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 (ERC) 2. Moderate corrosion stress LBS (PMIS) Conformity VDMA24364 cane III Temperature of medium 0 °C 50 °C Relative air humidity 585 % Noise level at nominal operating pressure 51 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 Mm with internal thread 2.5 M myth hrough-hole 2.5 Mm with internal thread 2.5 M stift temperature 0 °C 50 °C Max. tightening torque 0.8 Km at with hrough-hole 2.5 Mm with through-hole 2.5 Mm with internal thread 2.5 S 6 %S <td></td> <td></td>		
Certification RCM compliance mark c/U us - Listed (01) 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 Ubrication not possible Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA2356 aren III Temperature of medium 0 °C 50 °C Relative air humidity 5 -85 % Noise level at nominal operating pressure 51 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 S g 9 Protection class 0 °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 S g 9 Protection class 0.6 % Protocol Io-Link@ Ioi Link@, protocol version Device Y 1.1 Ioi-Link@, protin classes		
c UL us - Listed (QL)KC charactersKC EMCKC charactersKC EMCKC charactersKC EMCCE marking (see declaration of conformity)To UK instructions for EMCOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2. Moderate corrosion stressLABS (PWIS) conformityVDMA24364 zone IIITemperature of medium0°C 50 °CRelative air humidity5 × 85 %Noise level at nominal operating pressure51 dB(A)Degree of protectionIP65Protection classIIIAmbient temperature0°C 50 °CMax. tightening torque0.8 Mm with internal threadProduct weight25 gProtection classIIIProtection class3%FSReproduct/bility, switching value FS0.6 %Protectol0.6 %Protectol10-Link®Ioi-Link®, proteol versionDevice V 1.1Ioi-Link®, proteol versionDevice V 1.1Ioi-Link®, profileSmart sensor profileIoi-Link®, proteol classAIoi-Link®, proteol version modeCOM2 (38,4 kBd)Ioi-Link®, proces data with UOT1 byteIoi-Link®, proces data witht N2 byteIoi-Link®, proces data content UVT1 byte (pres		
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 51 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Awax tightening torque 2.5 Nm with internal thread 2.5 Nm with internal thread 2.5 Nm with internal thread 2.5 Nm with internal thread 2.5 Nm with internal thread 2.5 Nm with through-hole 25 g Protocut weight 325 g Protocol ID-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, profile Smart sensor profile IO-Link@, profile Smart sensor profile IO-Link@, profile A	Certification	
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*C50 *C Relative air humidity 5: 85 % Noise level at nominal operating pressure 5: 1 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0*C 50 *C Max. tightning torque 0.8 Nm with internal thread 2.5 Nm with through-hole Product weight Prosure measuring range -1 bar Accuracy in # % FS 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification IO-Link@, protocol version Device V 1.1 IO-Link@, function classes A IO-Link@, protecss data width OUT 1 bir (ejector pulse ON/OFF)	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 (CR) 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 51 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 km with through-hole 27 sg Protocut weight 325 g Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, profile Smart sensor profile IO-Link@, protecl stas A IO-Link@, process data width OUT 1 byte IO-Link@, process data width OUT 1 byte IO-Link@, process data width IN 2 byte	CE marking (see declaration of conformity)	As per EU EMC directive
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 (CR) 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 51 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 km with through-hole 27 sg Protocut weight 325 g Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, profile Smart sensor profile IO-Link@, protecl stas A IO-Link@, process data width OUT 1 byte IO-Link@, process data width OUT 1 byte IO-Link@, process data width IN 2 byte		
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 51 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 2.8 km with internal thread 2.5 Nm with through-hole 25 g Protection class III Accuracy in ± % FS 3 %FS Reproducibility, switching value FS 0 % 6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Process data variable (PDV) Identification Diagnostics Teach channel COM2 (38,4 kBd) IO-Link@, prot class A IO-Link@, process data width OUT 1 Byte IO-Link@, process data width IN 2 Byte IO-Link@, process data content UN 1 bit (Poressure measurement)		Compressed air as per ISO 8573-1:2010 [7:4:4]
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 51 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 2.8 Nm with internal thread 2.5 Nm with through-hole 2.5 Nm with through-hole Protection grape 1 bar 0 bar Accuracy in ± % FS 3 % FS Reproducibility, switching value FS 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary dat channel (BDC) Process data width OUT 1 Byte IO-Link@, process data width OUT 1 Byte IO-Link@, process data width OUT 1 Byte IO-Link@, process data content UN 2 Byte IO-Link@, process data content IN 2 byte		
LABS (PWIS) conformity VDMA24364 zone III Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 51 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 25 g Product weight 325 g Pressure measuring range -1 bar 0 bar Accuracy in ± % F5 3 %FS Reproducibility, switching value F5 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, port class A IO-Link@, process data width OUT 1 Byte IO-Link@, process data width OUT 1 bit (ejector pulse ON/OFF) 1 bit (wacuum ON/OFF) IO-Link@, process data content IN 2 byte		
Temperature of medium 0 °C 50 °C Relative air humidity 5 - 85 % Noise level at nominal operating pressure 51 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 Protection (ass Product weight 325 g Pressure measuring range -1 bar 0 bar Accuracy in ± % F5 3 %F5 Reproducibility, switching value F5 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, function classes A IO-Link@, prot class A IO-Link@, process data width OUT 1 Byte IO-Link@, process data width OUT 1 Byte IO-Link@, process data width IN 2 Byte IO-Link@, process data content IN 2 bit BDC (pressure measurement) 2 bit BDC (pressure measurement)	. ,	VDMA24364 zone III
Relative air humidity 5 - 85 % Noise level at nominal operating pressure 51 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 25 g Product weight 325 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS 3 %FS Reproducibility, switching value FS 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, function classes O(202) (38.4 kBd) IO-Link@, process data width OUT 1 Byte IO-Link@, process data width OUT 1 Byte IO-Link@, process data width IN 2 Byte IO-Link@, process data content IN 2 bit BDC (pressure measurement) 2 bit BDC (pressure monitoring)		
Noise level at nominal operating pressure 51 dB(A) Degree of protection IP65 Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 2.8 Nm with internal thread 2.5 Nm with through-hole 2.5 Nm with through-hole Product weight 325 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS 3 %FS Reproducibility, switching value FS 0.6 % Protocol IO-Link® IO-Link®, protocol version Device V 1.1 IO-Link®, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link®, function classes A IO-Link@, process data width OUT 1 Byte IO-Link@, process data width OUT 1 bit (ejector pulse ON/OFF) IO-Link@, process data width IN 2 Byte IO-Link@, process data content IN 14 bit PDV (pressure measurement)		
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 325 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS 3 %FS Reproducibility, switching value FS 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, communication mode COM2 (38,4 kBd) IO-Link@, process data width OUT 1 Byte IO-Link@, process data content OUT 1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF) IO-Link@, process data width IN 2 Byte IO-Link@, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)		
Protection class III Ambient temperature 0 °C 50 °C Max. tightening torque 0.8 Nm with internal thread 2.5 Nm with through-hole 25 g Product weight 325 g Pressure measuring range -1 bar 0 bar Accuracy in ± % FS 3 %FS Reproducibility, switching value FS 0.6 % Protocol IO-Link@ IO-Link@, protocol version Device V 1.1 IO-Link@, profile Smart sensor profile IO-Link@, function classes Binary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channel IO-Link@, communication mode COM2 (38,4 kBd) IO-Link@, process data width OUT 1 bit (ejector pulse ON/OFF) 10-Link@, process data content OUT 1 bit (ejector pulse ON/OFF) 10-Link@, process data width IN 2 Byte IO-Link@, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring) 2 bit BDC (pressure monitoring)		
Ambient temperature0 °C 50 °CMax. tightening torque0.8 Nm with internal thread 2.5 Nm with through-holeProduct weight325 gProduct weight325 gPressure measuring range-1 bar 0 barAccuracy in ± % FS3 %FSReproducibility, switching value FS0.6 %ProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link®, port classAIO-Link®, process data width OUT1 ByteIO-Link®, process data width IN2 ByteIO-Link®, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)		
Max. tightening torque0.8 Nm with internal thread 2.5 Nm with through-holeProduct weight325 gPressure measuring range-1 bar 0 barAccuracy in ± % FS3 %FSReproducibility, switching value FS0.6 %ProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, function classesBinary data channel (BDC) Process data width OUTIO-Link®, port classAIO-Link®, process data width OUT1 ByteIO-Link®, process data width IN2 ByteIO-Link®, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure measurement) 2 bit BDC (pressure monitoring)		
2.5 Nm with through-holeProduct weight325 gPressure measuring range-1 bar 0 barAccuracy in ± % FS3 %FSReproducibility, switching value FS0.6 %ProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link®, port classAIO-Link®, protess data width OUT1 ByteIO-Link®, process data vontent OUT 1 bit (vacuum ON/OFF) 1 bit (vacuum ON/OFF)IO-Link®, process data content IN2 ByteIO-Link®, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)		
Pressure measuring range-1 bar 0 barAccuracy in ± % FS3 %FSReproducibility, switching value FS0.6 %ProtocolI0-Link®I0-Link@, protocol versionDevice V 1.1I0-Link@, profileSmart sensor profileI0-Link@, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelI0-Link@, port classAI0-Link@, port classAI0-Link@, process data width OUT1 ByteI0-Link@, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)I0-Link@, process data width IN2 ByteI0-Link@, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure mensurement)		
Accuracy in ± % FS3 %FSReproducibility, switching value FS0.6 %ProtocolIO-Link@IO-Link@, protocol versionDevice V 1.1IO-Link@, profileSmart sensor profileIO-Link@, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link@, port classAIO-Link@, process data width OUT1 ByteIO-Link@, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link@, process data content IN2 ByteIO-Link@, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	Product weight	325 g
Reproducibility, switching value FS0.6 %ProtocolIO-Link@IO-Link@, protocol versionDevice V 1.1IO-Link@, profileSmart sensor profileIO-Link@, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link@, port classCOM2 (38,4 kBd)IO-Link@, process data width OUT1 ByteIO-Link@, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link@, process data width IN2 ByteIO-Link@, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	Pressure measuring range	-1 bar 0 bar
ProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, profileSmart sensor profileIO-Link®, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, process data width OUT1 ByteIO-Link®, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link®, process data content IN2 ByteIO-Link®, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	Accuracy in ± % FS	3 %FS
IO-Link@, protocol versionDevice V 1.1IO-Link@, profileSmart sensor profileIO-Link@, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link@, communication modeCOM2 (38,4 kBd)IO-Link@, port classAIO-Link@, process data width OUT1 ByteIO-Link@, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link@, process data width IN2 ByteIO-Link@, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	Reproducibility, switching value FS	0.6 %
IO-Link@, profileSmart sensor profileIO-Link@, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link@, communication modeCOM2 (38,4 kBd)IO-Link@, port classAIO-Link@, process data width OUT1 ByteIO-Link@, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link@, process data width IN2 ByteIO-Link@, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	Protocol	IO-Link®
IO-Link®, function classesBinary data channel (BDC) Process data variable (PDV) Identification Diagnostics Teach channelIO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, port classAIO-Link®, process data width OUT1 ByteIO-Link®, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link®, process data width IN2 ByteIO-Link®, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, protocol version	Device V 1.1
Process data variable (PDV) Identification Diagnostics Teach channelIO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, port classAIO-Link®, process data width OUT1 ByteIO-Link®, process data content OUT1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF)IO-Link®, process data width IN2 ByteIO-Link®, process data content IN14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, profile	Smart sensor profile
IO-Link®, port class A IO-Link®, process data width OUT 1 Byte IO-Link®, process data content OUT 1 bit (ejector pulse ON/OFF) IO-Link®, process data content OUT 1 bit (vacuum ON/OFF) IO-Link®, process data width IN 2 Byte IO-Link®, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, function classes	Process data variable (PDV) Identification Diagnostics
IO-Link®, port class A IO-Link®, process data width OUT 1 Byte IO-Link®, process data content OUT 1 bit (ejector pulse ON/OFF) IO-Link®, process data content OUT 1 bit (vacuum ON/OFF) IO-Link®, process data width IN 2 Byte IO-Link®, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, communication mode	
IO-Link®, process data width OUT 1 Byte IO-Link®, process data content OUT 1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF) IO-Link®, process data width IN 2 Byte IO-Link®, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, port class	
IO-Link®, process data content OUT 1 bit (ejector pulse ON/OFF) 1 bit (vacuum ON/OFF) IO-Link®, process data width IN 2 Byte IO-Link®, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)		
IO-Link®, process data width IN 2 Byte IO-Link®, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, process data content OUT	1 bit (ejector pulse ON/OFF)
IO-Link®, process data content IN 14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)	IO-Link®, process data width IN	
· · · · ·	IO-Link®, process data content IN	14 bit PDV (pressure measurement)
	IO-Link®, minimum cycle time	

Feature	Value
IO-Link®, data memory required	500 byte
IO-Link®, device ID	0x00003E
Electrical connection	5-pin M12x1 Plug
Protection against tampering	Electronic interlock
Type of mounting	With through-hole With internal thread With accessories
Pneumatic connection 1	QS-6
Pneumatic connection 3	QS-8
Vacuum connection	QS-6
Note on materials	RoHS-compliant
Seals material	NBR
Female nozzle material	РОМ
Compressed air filter material	Fabric PA Sintered steel
Housing material	Die-cast aluminum PA-reinforced
Material of adjusting screw	Steel
Muffler material	Wrought aluminum alloy 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