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



## **Data sheet**

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## 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)		
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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