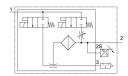
## Vacuum generator OVEL-7-H-15-PQ-VQ4-UC-C-A-V1PNLK-H3 Part number: 8141092

**FESTO** 





## **Data sheet**

General operating condition

Feature	Value
Nominal width of Laval nozzle	0.7 mm
Width dimension	15 mm
Muffler construction type	Closed
Mounting position	Any
Ejector characteristics	High vacuum Standard
Grade of filtration	40 μm
Manual override	Non-detenting
Integrated function	Electric ejector pulse Flow control Pressure sensor Shut off valve, electric Compressed air filter Muffler, closed
Structural design	T-shape
Switching element function	N/C contact/N/O contact switchable
Switching function	Freely programmable
Symbol	00995804
Valve function	Closed
Method of measurement	Piezoresistive pressure sensor with display
Display type	LED display 2-digit
Setting options	IO-Link® Teach-in Via display and pushbuttons
Operating pressure for max. suction rate	0.4 MPa
Operating pressure for max. suction rate	4 bar
Operating pressure for max. suction rate	58 psi
Operating pressure	0.2 MPa 0.7 MPa
Operating pressure	2 bar 7 bar
Operating pressure	29 psi 101.5 psi
Operating pressure for max. vacuum	0.48 MPa
Operating pressure for max. vacuum	4.8 bar
Operating pressure for max. vacuum	69.6 psi
Max. vacuum	92 %
Nominal operating pressure	0.4 MPa
Nominal operating pressure	4 bar
Nominal operating pressure	58 psi

Electrical connection output, connection technology  Electrical output connection, number of pins/wires  Cable characteristic  Cable diameter  Cable diameter  Cable length  Cable length  Cable length  Conductor cross section  Nominal conductor cross section  Output for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Waffler, closed  Vacuum connection  Color cable sheath  Gray  Material of connecting thread  Nore on materials  Seals material  Female nozzle material  Housing material  Material of cable sheath  Material of cable sheath  PoM  Compressed air filter material  Material of cable sheath  Material of cable sheath  PoM  Material of cable sheath  PoM  PoM  PoM  PoM  PoM  PoM  PoM  Po	Feature	Value
De operating voltage range 21.6 Y 26.4 V Duty cycle 300% Switching output PRP/RMR switchable Coll characteristics 22 V DCs 1.0 W Cortification Coll Characteristics XC EMC CE marking Gee declaration of conformity) To UK marking Gee declaration of conformity Gee declaration of Conformity Gee declaration of Conformity Gee Gee Gee Gee Gee Gee Gee Gee Gee Ge	Max. suction rate with respect to atmosphere	17 l/min
Duty cycle  Switching output  Certification  Composition resistance disas (CRC)  2 Moderate corrosion stress  Corrosion operating disas (CRC)  2 Moderate corrosion stress  Corrosion operating disas (CRC)  2 Moderate corrosion stress  Connection input, function  Corrosion input, function  Corrosion input, function input, function  Corrosion input, function input, functio	Air supply time at nominal operating pressure with ejector pulse	1.2 s
Switching output		21.6 V 26.4 V
Switching output		100%
Goll characteristics 24 V DC 1.0 W Certification CUL us - Listed (OL) Kecharacters KC EMC Ke characters KC EMC KE marking (see declaration of conformity) As per EU EMC directive UNCA 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) 12 - Mediente corrosion stress S LABS (PWIS) conformity VDMA24364-81/82-1 Temperature of medium Operation in main operating pressure 56 dB(A) Degree of protection Ambient temperature OP CC., 50 °C Notice level at nominal operating pressure 56 dB(A) Degree of protection PRODUCT Weight 91 g OC sensor operating voltage range 18 V., 30 V Pressure measuring range 19 J. MPPa O MPPa Pressure measuring range 19 J. MPPa O MPPa Pressure measuring range 10 J. MPPa O MPPa Pressure measuring range 11 S. J.	<u> </u>	PNP/NPN switchable
KC characters KC emarking (see declaration of conformity) KDCK 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 ubrication not possible Corrosion resistance class (RPC) 1. Abdeated corrosion stress calss LABS (PWIS) conformity VDMA24364-81/82-L Temperature of medium Operation of See of S		
KC characters KC emarking (see declaration of conformity) KDCK 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 ubrication not possible Corrosion resistance class (RPC) 1. Abdeated corrosion stress calss LABS (PWIS) conformity VDMA24364-81/82-L Temperature of medium Operation of See of S	Certification	c UL us - Listed (OL)
UKCA marking (see declaration of conformity)  Operating medium  Compressed air as pert ISO 8573-1:2010 [7:4:4] Information on operating and pilot media  Operation with oil bubrication not possible  Corrosion resistance class (CRC)  2. Moderate corrosion stress  UMA2-364-817/82-L  LABS (PMIS) conformity  VDMA2-364-817/82-L  Temperature of medium  0. °C 50 °C  Noise level at nominal operating pressure  56. dB(A)  Degree of protection  Ambient temperature  0. °C 50 °C  Product weight  91 g  D. Sensor operating voltage range  18 V 30 V  Pressure measuring range  19 Labr 0 Mpa  Pressure measuring range  10 Labr 0 Mpa  Pressure measuring range  11 bar 0 bar  Pressure measuring range  12 bar 0 bar  Pressure measuring range  13 bar 0 bar  Pressure measuring range  14 bar 0 bar  Pressure measuring range  15 bar 0 bar  Pressure measuring range  16 bar 0 bar  Pressure measuring range  17 bar 0 bar  Pressure measuring range  18 bertrical connection input, function  Electrical onnection input, connection type  2x plugs  Electrical input connection, connection technology  Connection diagram H  Electrical connection, input, number of pins/wires  2 Centrical input connection, munity properation  Electrical connection or input, connection pattern  00995266  Electrical input connection munity properation  Electrical connection output, connection pattern  00995266  Electrical connection output, connection pethon  00996266  Electrical connection output	KC characters	
UKCA marking (see declaration of conformity)  Operating medium  Compressed air as pert ISO 8573-1:2010 [7:4:4] Information on operating and pilot media  Operation with oil bubrication not possible  Corrosion resistance class (CRC)  2. Moderate corrosion stress  UMA2-364-817/82-L  LABS (PMIS) conformity  VDMA2-364-817/82-L  Temperature of medium  0. °C 50 °C  Noise level at nominal operating pressure  56. dB(A)  Degree of protection  Ambient temperature  0. °C 50 °C  Product weight  91 g  D. Sensor operating voltage range  18 V 30 V  Pressure measuring range  19 Labr 0 Mpa  Pressure measuring range  10 Labr 0 Mpa  Pressure measuring range  11 bar 0 bar  Pressure measuring range  12 bar 0 bar  Pressure measuring range  13 bar 0 bar  Pressure measuring range  14 bar 0 bar  Pressure measuring range  15 bar 0 bar  Pressure measuring range  16 bar 0 bar  Pressure measuring range  17 bar 0 bar  Pressure measuring range  18 bertrical connection input, function  Electrical onnection input, connection type  2x plugs  Electrical input connection, connection technology  Connection diagram H  Electrical connection, input, number of pins/wires  2 Centrical input connection, munity properation  Electrical connection or input, connection pattern  00995266  Electrical input connection munity properation  Electrical connection output, connection pattern  00995266  Electrical connection output, connection pethon  00996266  Electrical connection output	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 (CRC)         2 - Moderate corrosion stress           LABS (PWIS) conformity         VDMA24364-81/82-L           Temperature of medium         0°C., 50°C           Noise level at nominal operating pressure         56 dB(A)           Degree of protection         IP40           Ambient temperature         0°C., 50°C           Product weight         91 g           DC sensor operating voltage range         18 V 30 V           Pressure measuring range         -0.1 MPa 0 MPa           Pressure measuring range         -1.5 psi 0 psi           Electrical connection input, function         Ejectro pulse           Pressure measuring range         -1.4.5 psi 0 psi           Electrical connection input, function         Ejectro pulse           Electrical connection input, connection type         2 x pluss           Electrical connection input, connection type         2 x plus           Electrical connection for input, connection tethnology         Connection diagram H           Electrical connection output, function         9995626           Electrical connection output, function         Sensor		To UK instructions for EMC
Information on operating and pilot media Corrosion resistance class (CRC) 2. Moderate corrosion stress  ALBS (PWIS) conformity VDMA2/348 #182-1  Temperature of medium 0°C50°C  Degree of protection IP40 Ambient temperature 0°C50°C Product weight Pressure measuring range 18 V30 V Pressure measuring range 10.1 MPa0 MPa Pressure measuring range 1.1 bar 0 bar Pressure measuring range 1.1 bar		Compressed air as per ISO 8573-1:2010 [7:4:4]
Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-81/82-1  Temperature of medium  0 °C 50 °C  Noise level at nominal operating pressure  56 dB(A)  Degree of protection  Nambient temperature of protection  Product weight  19 1g  DC sensor operating voltage range  18 V 30 V  Pressure measuring range  1-1bar 0 MPa  1-1bar 0 Mpa  Pressure measuring range  1-1bar 0 Mpa  1-	· -	
ABS (PWIS) conformity Temperature of medium O°C, 50°C So C So		
Temperature of medium  Noise level at nominal operating pressure  5 dB(A)  Degree of protection  Ambient temperature  0 °C 50 °C  Product weight  18 V 30 V  Pressure measuring range  10 ·1 MPa 0 MPa  Pressure measuring range  10 ·1 MPa 0 MPa  Pressure measuring range  11 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·1 ·	`	
Noise level at nominal operating pressure Degree of protection PIPAO Ambient temperature Product weight Product weight Pressure measuring range 18 V 30 V Pressure measuring range 1.0		·
Degree of protection Ambient temperature O °C 50 °C Ambient temperature O 1°C 50 °C Product weight DC sensor operating voltage range 18 V 30 V Pressure measuring range O-1. MPa 0 MPa Pressure measuring range 1-1. 5 m 0 bar Pressure measuring range 1-1. 5 m 0 bar Pressure measuring range 1-1. 5 psi 0 psi Electrical connection input, function Ejector pulse Vacuum generator Electrical connection input, connection type Electrical connection input, connection type Electrical connection, input, number of pins/wires Electrical connection input, connection pattern 00995626 Electrical connection output, function Electrical connection output, function Electrical connection output, connection pattern Electrical connection output, connection pattern Electrical connection output, connection pattern Electrical connection output, connection technology Electrical connection output, connection pattern Electrical connection output, connection technology Electrical connection output, connection fechnology Electrical connection output, connection fechnology Electrical connection output, connection Echnology Electrical connection output, connection Electrical connection Echnology Electrical connection Electrical connec	·	
Ambient temperature 0°C50°C Product weight 91 g DC sensor operating voltage range 18 V30 V Pressure measuring range - 0-1 MPa 0 MPa Pressure measuring range - 1-1 bar 0 bar Pressure measuring range - 1-4.5 psi 0 psi Electrical connection input, function Electrical connection input, connection type 2x plugs Electrical connection, input, number of pins/wires 2 Electrical input connection, input, number of pins/wires 2 Electrical input connection, mounting type Snap-locking Electrical input connection, mounting type Snap-locking Electrical connection output, connection technology Electrical connection output, connection technology Open end Electrical connection output, connection pins/wires 3 Electrical connection output, connection technology Open end Electrical connection output, connection technology Open end Electrical connection output, connection technology Open end Electrical connection output, connection for pins/wires 3 Electrical connection output, connect		
Product weight DC sensor operating voltage range 18 V 30 V  Pressure measuring range - 0.1 MPa 0 MPa  Pressure measuring range - 1-bar 0 bar  Pressure measuring range - 1-bar 0 bar  Pressure measuring range - 1-bar 0 bar  Pressure measuring range - 1-4.5 psi 0 psi  Electrical connection input, function Electror pulse Vocume generator  Electrical connection input, connection type 2x plugs  Electrical input connection, connection technology Connection diagram H  Electrical connection, input, number of pins/wires 2  Electrical connection, input, number of pins/wires 2  Electrical connection input, connection pattern 00995626  Electrical connection output, function Sensor  Electrical connection output, connection type Cable  Electrical connection Cable Electrical Cable diameter Open Cable  Electrical connection		
DC sensor operating voltage range	·	
Pressure measuring range Pressure measuring range 1-1 bar O bar	<del>-</del>	5
Pressure measuring range 1-1 bar 0 bar  Pressure measuring range 1-14.5 psi 0 psi  Electrical connection input, function Ejector pulse Vacuum generator  Electrical connection input, connection type 2x plugs  Electrical input connection, connection technology Connection diagram H  Electrical connection, input, number of pins/wires 2  Electrical connection input, connection pattern 00995626  Electrical connection mounting type Snap-locking  Electrical connection output, function Sensor  Electrical connection output, connection type Cable  Electrical connection output, connection type Open end  Electrical connection output, connection technology Open end  Electrical output connection, number of pins/wires 3  Cable characteristic Suitable for energy chains  Cable diameter 10erance 2.9 mm  Cable diameter tolerance 5.0.1 mm  Cable length 0.14 mm²  Type of mounting With through-hole  Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm  Pneumatic connection 1  For pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Wacuum connection 6  Wacuum connection 6  For pneumatic tubing outside diameter 4 mm  Muffler, closed  For pneumatic tubing outside diameter 4 mm  Pneumatic connection 1  For pneumatic tubing outside diameter 4 mm  Muffler, closed  For pneumatic tubing outside diameter 4 mm  For pneumatic connection 3  Wacuum connection 6  For pneumatic tubing outside diameter 4 mm  For pneumatic tubing outside diameter 4 mm  For pneumatic tubing outside diameter 4 mm  For pneumatic connection 3  RohS-compliant  Seals material POM  Note on materials  RohS-compliant  Formale nozzle material POM  Housing material POM  Housing material POM  Housing material PA-reinforced  Material of cable sheatth	1 0 0 0	
Pressure measuring range 14.5 psi 0 psi Electrical connection input, function Ejector pulse Vacuum generator Electrical connection input, connection type 2x plugs Electrical input connection, connection technology Connection diagram H Electrical connection for input, connection pattern 00995626 Electrical input connection, input, number of pins/wires 2 Electrical connection for input, connection pattern 00995626 Electrical connection output, function Sensor Electrical connection output, connection type Cable Electrical connection output, connection type Cable Electrical connection output, connection type Open end Suitable for energy chains Cable characteristic Suitable for energy chains Cable diameter Detrance 10.1 mm Cable diameter tolerance 10.1 mm Cable diameter Cable Cable 10.1 mm Cable diameter connection 1 for pneumatic tubing outside diameter 4 mm Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm Color cable sheath Gray Material of connecting thread POM Note on materials RoHS-compliant Seals material POM Compressed air filter material POM Housing material POM Housing material PA-reinforced Material of cable sheath Housing material POM Housing material PVC		
Electrical connection input, function  Electrical connection input, connection type  Electrical input connection, connection technology  Electrical connection, input, number of pins/wires  Electrical connection for input, connection pattern  O0995626  Electrical input connection, mounting type  Electrical connection output, function  Electrical connection output, function  Electrical connection output, function  Electrical connection output, connection type  Electrical connection output, connection type  Electrical connection output, connection type  Electrical connection output, connection technology  Open end  Electrical connection output, connection technology  Open end  Electrical output connection, number of pins/wires  3  Cable characteristic  Suitable for energy chains  Cable diameter  2.9 mm  Cable diameter  2.9 mm  Cable diameter olerance  4.1 mm  Cable diameter olerance  2.5 m  Nominal conductor cross section  O.14 mm²  Type of mounting  With through-hole  Pneumatic connection 1  for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Muffler, closed  For pneumatic tubing outside diameter 4 mm  Color cable sheath  Gray  Material of connecting thread  POM  Note on materials  RoHS-compliant  Seals material  POM  Compressed air filter material  POM  Housing material  PA-reinforced  Material of cable sheath  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  PA-reinforced  Material of cable sheath		
Vacuum generator   Vacuum generator		·
Electrical input connection, connection technology  Electrical connection, input, number of pins/wires  Electrical connection for input, connection pattern  O0995626  Electrical input connection, mounting type  Electrical connection output, function  Sensor  Electrical connection output, connection type  Electrical output connection, number of pins/wires  3  Cable characteristic  Suitable for energy chains  Cable diameter  Cable diameter tolerance  2.9 mm  Cable elight  2.5 m  Nominal conductor cross section  O.14 mm²  Type of mounting  With through-hole  Pneumatic connection 1  for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Muffler, closed  Vacuum connection  For pneumatic tubing outside diameter 4 mm  Color cable sheath  Gray  Material of connecting thread  POM  Note on materials  ReMS-compliant  Female nozzle material  POM  Housing material  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Muserial of cable sheath  PA-reinforced  Material of cable sheath  Muserial of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced	Electrical connection input, function	
Electrical connection, input, number of pins/wires  Electrical connection for input, connection pattern  O0995626  Electrical input connection, mounting type  Electrical connection output, function  Electrical connection output, connection type  Electrical connection output, connection technology  Open end  Electrical output connection, number of pins/wires  3  Cable characteristic  Cable diameter  Cable diameter  Cable diameter tolerance  \$0.1 mm  Cable length  2.5 m  Nominal conductor cross section  O.14 mm²  Type of mounting  With through-hole  Pneumatic connection 1  for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Muffler, closed  Vacuum connection  For pneumatic tubing outside diameter 4 mm  Color cable sheath  Gray  Material of connecting thread  POM  Note on materials  RoHS-compliant  Seals material  POM  Compressed air filter material  POM  Housing material  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced	Electrical connection input, connection type	2x plugs
Electrical connection for input, connection pattern 00995626  Electrical input connection, mounting type Snap-locking  Electrical connection output, function Sensor  Electrical connection output, connection type Cable  Electrical connection output, connection technology Open end  Electrical output connection, number of pins/wires 3  Cable characteristic Suitable for energy chains  Cable diameter  Cable diameter tolerance ±0.1 mm  Cable length 2.5 m  Nominal conductor cross section 0.14 mm²  Type of mounting With through-hole  Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3 Muffler, closed  Vacuum connection 5 For pneumatic tubing outside diameter 4 mm  Color cable sheath Gray  Material of connecting thread POM  Note on materials ROHS-compliant  Seals material POM  Compressed air filter material POM  Housing material PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  PVC	Electrical input connection, connection technology	Connection diagram H
Electrical input connection, mounting type Electrical connection output, function Electrical connection output, connection type Electrical connection output, connection type Electrical connection output, connection technology Open end Electrical output connection, number of pins/wires 3 Cable characteristic Suitable for energy chains Cable diameter Cable diameter Cable diameter tolerance ± 0.1 mm Cable length 2.5 m Nominal conductor cross section O.14 mm² With through-hole Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm Pneumatic connection 3 Muffler, closed Muffler, closed Muffler of pneumatic tubing outside diameter 4 mm Color cable sheath Gray Material of connecting thread POM Note on materials RoHS-compliant Seals material POM Compressed air filter material POM Housing material Material of cable sheath PA-reinforced Material of cable sheath POM Housing material Material of cable sheath PA-reinforced Material of cable sheath POM PA-reinforced Material of cable sheath POM PA-reinforced Material of cable sheath POM PA-reinforced PVC	Electrical connection, input, number of pins/wires	2
Electrical connection output, function       Sensor         Electrical connection output, connection type       Cable         Electrical connection output, connection technology       Open end         Electrical output connection, number of pins/wires       3         Cable characteristic       Suitable for energy chains         Cable diameter       2.9 mm         Cable diameter tolerance       ± 0.1 mm         Cable length       2.5 m         Nominal conductor cross section       0.14 mm²         Type of mounting       With through-hole         Pneumatic connection 1       for pneumatic tubing outside diameter 4 mm         Pneumatic connection 3       Muffler, closed         Vacuum connection       For pneumatic tubing outside diameter 4 mm         Color cable sheath       Gray         Material of connecting thread       POM         Note on materials       RoHS-compliant         Seals material       NBR         Female nozzle material       POM         Compressed air filter material       POM         Housing material       PA-reinforced         Material of cable sheath       PA-reinforced	Electrical connection for input, connection pattern	00995626
Electrical connection output, connection type       Cable         Electrical connection output, connection technology       Open end         Electrical output connection, number of pins/wires       3         Cable characteristic       Suitable for energy chains         Cable diameter       2.9 mm         Cable diameter tolerance       ± 0.1 mm         Cable length       2.5 m         Nominal conductor cross section       0.14 mm²         Type of mounting       With through-hole         Pneumatic connection 1       for pneumatic tubing outside diameter 4 mm         Pneumatic connection 3       Muffler, closed         Vacuum connection       For pneumatic tubing outside diameter 4 mm         Color cable sheath       Gray         Material of connecting thread       POM         Note on materials       RoHS-compliant         Seals material       NBR         Female nozzle material       POM         Compressed air filter material       POM         Housing material       PA-reinforced         Material of cable sheath       PVC	Electrical input connection, mounting type	Snap-locking Snap-locking
Electrical connection output, connection technology  Electrical output connection, number of pins/wires  Cable characteristic  Cable diameter  Cable diameter  Cable length  Nominal conductor cross section  Nominal conductor cross section  Type of mounting  Pneumatic connection 1  For pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Muffler, closed  Vacuum connection  Color cable sheath  Gray  Material of connecting thread  Note on materials  Seals material  Female nozzle material  Housing material  Material of cable sheath  Housing material  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PA-reinforced  Material of cable sheath  Material of cable sheath  PVC	Electrical connection output, function	Sensor
Electrical output connection, number of pins/wires  Cable characteristic  Cable diameter  2.9 mm  Cable diameter tolerance  4.0.1 mm  Cable length  Nominal conductor cross section  Type of mounting  Pneumatic connection 1  Pneumatic connection 3  Waterial of connecting thread  Note on materials  Seals material  Female nozzle material  Compressed air filter material  Material of cable sheath  Musing material  Musing material  Poly  Pol	Electrical connection output, connection type	Cable
Cable characteristic Cable diameter 2.9 mm Cable diameter tolerance ± 0.1 mm Cable length 2.5 m Nominal conductor cross section 7ype of mounting Pneumatic connection 1 For pneumatic tubing outside diameter 4 mm Pneumatic connection 3 Muffler, closed Vacuum connection Color cable sheath Gray Material of connecting thread Note on materials Seals material Female nozzle material PoM Compressed air filter material Material of cable sheath Housing material Material of cable sheath PoM Housing material Material of cable sheath PoM Housing material Material of cable sheath PoM Housing material PoM Housing material Material of cable sheath PoM	Electrical connection output, connection technology	Open end
Cable diameter Cable diameter tolerance £ 0.1 mm Cable length 2.5 m Nominal conductor cross section O.14 mm² Type of mounting With through-hole Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm Pneumatic connection 3 Muffler, closed Vacuum connection For pneumatic tubing outside diameter 4 mm Color cable sheath Gray Material of connecting thread POM Note on materials Seals material Seals material Pemale nozzle material POM Compressed air filter material POM Housing material Material of cable sheath POY PVC	Electrical output connection, number of pins/wires	3
Cable diameter tolerance ± 0.1 mm  Cable length 2.5 m  Nominal conductor cross section 0.14 mm²  Type of mounting With through-hole Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm Pneumatic connection 3 Muffler, closed Vacuum connection For pneumatic tubing outside diameter 4 mm  Color cable sheath Gray  Material of connecting thread POM  Note on materials RoHS-compliant Seals material NBR  Female nozzle material POM  Compressed air filter material POM  Housing material PA-reinforced  Material of cable sheath PVC	Cable characteristic	Suitable for energy chains
Cable length  Nominal conductor cross section  Type of mounting  Pneumatic connection 1  Pneumatic connection 3  With through-hole  for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3  Wuffler, closed  Vacuum connection  For pneumatic tubing outside diameter 4 mm  Color cable sheath  Gray  Material of connecting thread  POM  Note on materials  RoHS-compliant  Seals material  POM  Compressed air filter material  POM  Compressed air filter material  POM  Housing material  PA-reinforced  Material of cable sheath  PVC	Cable diameter	2.9 mm
Nominal conductor cross section  Type of mounting  With through-hole Pneumatic connection 1  For pneumatic tubing outside diameter 4 mm  Muffler, closed  Vacuum connection  For pneumatic tubing outside diameter 4 mm  Color cable sheath  Gray  Material of connecting thread  Note on materials  Seals material  PoM  Compressed air filter material  Housing material  Material of cable sheath  PVC	Cable diameter tolerance	± 0.1 mm
Type of mounting  Pneumatic connection 1  Pneumatic connection 3  Muffler, closed  Vacuum connection  Vacuum connection  For pneumatic tubing outside diameter 4 mm  For pneumatic tubing outside diameter 4 mm  Color cable sheath  Gray  Material of connecting thread  POM  Note on materials  RoHS-compliant  Seals material  NBR  Female nozzle material  POM  Compressed air filter material  POM  Housing material  PA-reinforced  Material of cable sheath  PVC	Cable length	2.5 m
Pneumatic connection 1 for pneumatic tubing outside diameter 4 mm  Pneumatic connection 3 Muffler, closed  Vacuum connection For pneumatic tubing outside diameter 4 mm  Color cable sheath Gray  Material of connecting thread POM  Note on materials RoHS-compliant  Seals material NBR  Female nozzle material POM  Compressed air filter material POM  Housing material PA-reinforced  Material of cable sheath PVC	Nominal conductor cross section	0.14 mm <sup>2</sup>
Pneumatic connection 3  Vacuum connection For pneumatic tubing outside diameter 4 mm  Color cable sheath Gray  Material of connecting thread POM  Note on materials RoHS-compliant Seals material NBR  Female nozzle material POM  Compressed air filter material POM  Housing material PA-reinforced Material of cable sheath PVC	Type of mounting	With through-hole
Vacuum connectionFor pneumatic tubing outside diameter 4 mmColor cable sheathGrayMaterial of connecting threadPOMNote on materialsRoHS-compliantSeals materialNBRFemale nozzle materialPOMCompressed air filter materialPOMHousing materialPA-reinforcedMaterial of cable sheathPVC	Pneumatic connection 1	for pneumatic tubing outside diameter 4 mm
Color cable sheath Gray Material of connecting thread POM Note on materials RoHS-compliant Seals material NBR Female nozzle material POM Compressed air filter material POM Housing material PA-reinforced Material of cable sheath PVC	Pneumatic connection 3	Muffler, closed
Material of connecting thread POM Note on materials RoHS-compliant Seals material NBR Female nozzle material POM Compressed air filter material POM Housing material PA-reinforced Material of cable sheath PVC	Vacuum connection	For pneumatic tubing outside diameter 4 mm
Note on materials  Seals material  NBR  Female nozzle material  POM  Compressed air filter material  Housing material  Material of cable sheath  PVC	Color cable sheath	Gray
Seals material NBR Female nozzle material POM Compressed air filter material POM Housing material PA-reinforced Material of cable sheath PVC	Material of connecting thread	РОМ
Female nozzle material POM  Compressed air filter material POM  Housing material PA-reinforced  Material of cable sheath PVC	Note on materials	RoHS-compliant
Compressed air filter material POM Housing material PA-reinforced Material of cable sheath PVC	Seals material	NBR
Housing material PA-reinforced  Material of cable sheath PVC	Female nozzle material	РОМ
Material of cable sheath PVC	Compressed air filter material	РОМ
Material of cable sheath PVC	Housing material	PA-reinforced
Material of adjusting screw  Steel		PVC
	Material of adjusting screw	Steel

Feature	Value
Muffler material	PA-reinforced PE
Material of screws	Steel
Material of jet nozzle	Wrought aluminum alloy