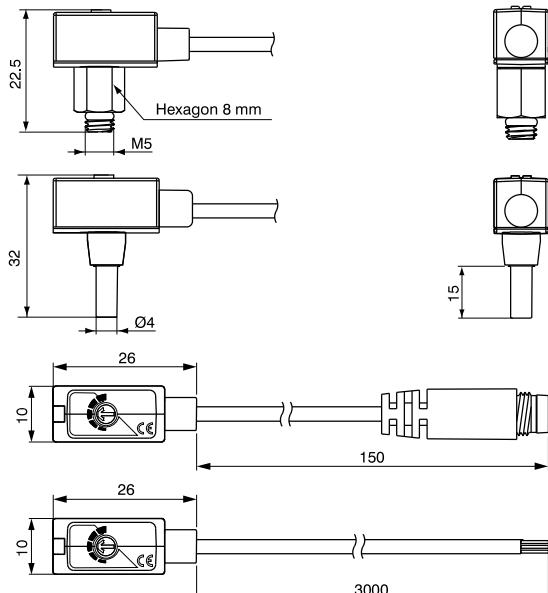


ACCESSORIES AND INSTRUMENTS

Vacuum switch, vacuum gauge,
silencers and filters

Series DS

► Mini digital vacuum switch

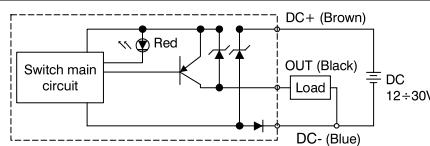


Ordering code	
DS.10.V.B.C.L.O	
CONNECTION	
C	F4 = Male M5 R4 = Plug-in connection Ø4
CABLE LENGTH	
L	A=150 mm * E=3000 mm **
OPTIONS	
O	0= Without connector 1= With connector M8 male 3 Pin

* only with M8 connector
** only without connector

Technical features	
Working pressure range	0 ... -100.0kPa
Regulation pressure range	0 ... -100.0kPa
Maximum supported pressure	600 kPa
Allowed fluids	Air, non-corrosive gases, non-combustible gases
Supply voltage	From 12 to 30 VDC ±10%
Current consumption	≤ 10 mA
Digital output	PNP N.O. 1 outputs Maximum load current: 80 mA Maximum supply voltage: 30 VDC Voltage drop: ≤0.8V
Repeatability (Digital output)	± 1% Full Scale
Digital output	Type of hysteresis
	Fixed
	Hysteresis
Response time	3% Full Scale max.
Protection from short circuit at output	1ms
Method of setting threshold	Present
Indicator	Adjustable, trimmer
	LED red (output)
Ingress protection rating	IP Rating
	Operational: 0°C ... 60°C, Storage: -20°C ... 70°C (without ice or condensation)
	Ambient temperature
	Operational/Storage: 35 ... 85% (without condensation)
	Ambient humidity
Vibration	Total amplitude 1.5 mm, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z
	980m/S ² (100G), 3 times in each direction of X, Y and Z
Temperature characteristics	Impacts/shocks
	±2% Full Scale in a range between 0°C ... 50°C
	Type of connection
	Male M5x0.8, Plug-in connection Ø4
	Electrical cable
Weight	Oilproof cable, 3 wires (0.18mm ²), Ø2.6 mm
	Approximately 50 g (with 3 metres of cable)

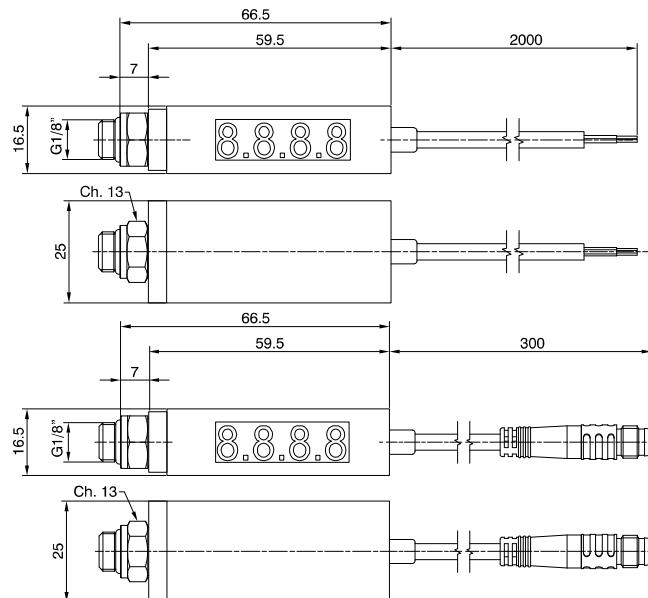
Output circuit wiring scheme



Overall dimensions and technical information are provided solely for informative purposes and may be modified without notice



Digital vacuum switch



Ordering code	
DS.30.C.C.F8.❶❷❸❹	
❶	CABLE LENGTH
❷	B=300 mm *
❸	D=2000 mm **
❹	OPTIONS
❺	0= Without connector
❻	2= With M8 4 Pin male connector

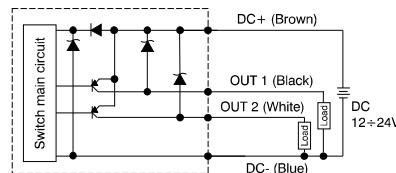
* only with M8 connector

** only without connector

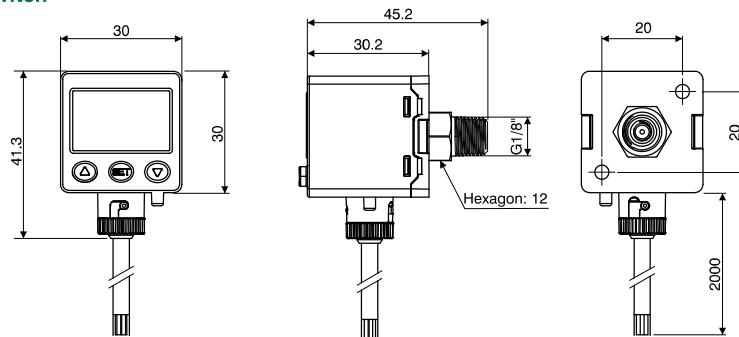
Technical features

Working pressure range	-100.0 ... 100.0 kPa	
Regulation pressure range	-100.0 ... 100.0 kPa	
Maximum supported pressure	300 kPa	
Allowed fluids	Air, non-corrosive gases, non-combustible gases	
Pressure calibration sensitivity	kPa	0.1
	2 kgf/cm ²	0.001
	bar	0.001
	psi	0.01
	InHg	0.1
	mmHg	1
	mmH ₂ O	0.1
Supply voltage	From 12 to 24 VDC ± 10%	
Current consumption	≤ 60mA	
Digital output	PNP N.O. 2 outputs Maximum load current: 80 mA Maximum supply voltage: 30 VDC Voltage drop: ≤1V	
Repeatability (Digital output)	± 0.2% Full Scale ± 1 digit	
Digital output	Type of hysteresis	Fixed
	Hysteresis	0.003 bar
Response time	≤2,5 ms (anti-interference function: 24 ms, 192 ms and 768 ms selectable)	
Protection from short circuit at output	Present	
Display	Display with 3 1/2 digits (sampling 5 times per sec.)	
Indicator precision	±2% F. S. ±1 digit (at ambient temperature of 25°C ±3°C)	
Indicator	LED green (output1) LED red (output2)	
Ingress protection rating	IP Rating	IP40
	Ambient temperature	Operational: 0 ... 50°C, Storage: -20°C ... 60°C (without ice or condensation)
	Ambient humidity	Operational/Storage: 35 ... 85% (without condensation)
	Supported voltage	1000 VAC in 1-min. (between body and cable)
	Insulation resistance	50MΩ min. (at 500VDC, between body and cable)
	Vibration	Total amplitude 1.5 mm. or 10 G, 10 Hz - 55Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z
Impacts/shocks	980 m/s ² (100G), 3 times in each direction of X, Y and Z	
Temperature characteristics	±2% Full Scale in a range between 0°C ... 50°C	
Type of connection	G1/8 (Swivel)	
Electrical cable	Oil resistant cable	
Weight	Approximately 67 g (with 2 metres of cable)	

Output circuit wiring scheme



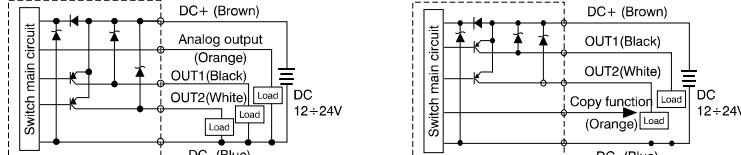
▶ Panel-mounted digital vacuum switch



Ordering code	
DS.45.V.1.F3.D.0	
VERSION	
V	C= Vacuum/Pressure (-100 / 100 kPa)
V	V= Vacuum (0 / -101,3 kPa)
OUTPUTS	
E	E= 2 PNP outputs + Analog output (4 / 20 mA)
L	L= 2 PNP outputs + copy function

Technical features															
DS.45.C.1.F3.D.0 (Composite)	DS.45.V.1.F3.D.0 (Vacuum)														
Working pressure range	-100.0 ... 100.0 kPa														
Regulation pressure range	-100.0 ... 100.0 kPa														
Maximum supported pressure	300 kPa														
Allowed fluids	Air, non-corrosive gases, non-combustible gases														
Pressure calibration sensitivity	<table border="1"> <tr><td>kPa</td><td>0.1</td></tr> <tr><td>2 kgf/cm²</td><td>0.001</td></tr> <tr><td>bar</td><td>0.001</td></tr> <tr><td>psi</td><td>0.01</td></tr> <tr><td>inHg</td><td>0.1</td></tr> </table>	kPa	0.1	2 kgf/cm ²	0.001	bar	0.001	psi	0.01	inHg	0.1				
kPa	0.1														
2 kgf/cm ²	0.001														
bar	0.001														
psi	0.01														
inHg	0.1														
Supply voltage	From 12 to 24 VDC														
Current consumption	≤40 mA (without load)														
Digital output	<table border="1"> <tr><td>PNP N.O. 2 outputs</td></tr> <tr><td>Maximum load current: 125 mA</td></tr> <tr><td>Maximum supply voltage: 24 VDC</td></tr> <tr><td>Voltage drop: ≤1.5V</td></tr> </table>	PNP N.O. 2 outputs	Maximum load current: 125 mA	Maximum supply voltage: 24 VDC	Voltage drop: ≤1.5V										
PNP N.O. 2 outputs															
Maximum load current: 125 mA															
Maximum supply voltage: 24 VDC															
Voltage drop: ≤1.5V															
Repeatability (Digital output)	± 0.2% Full Scale ± 1 digit														
Digital output	<table border="1"> <tr><td>Type of hysteresis</td><td>Settable</td></tr> <tr><td>Hysteresis</td><td>from 0.001 to 0.008 bar</td></tr> </table>	Type of hysteresis	Settable	Hysteresis	from 0.001 to 0.008 bar										
Type of hysteresis	Settable														
Hysteresis	from 0.001 to 0.008 bar														
Response time	≤2,5 ms (anti-interference function: 25 ms, 100 ms, 250 ms, 500 ms, 1000 ms and 1500 ms selectable)														
Protection from short circuit at output	Present														
Display	Display with 3 1/2 digits (red/green)														
Indicator precision	±2% F. S. ±1 digit														
Indicator	LED orange (output1) LED orange (output2)														
Analog output	<table border="1"> <tr><td>Output current: 4 ... 20 mA ±2.5% F. S.</td></tr> <tr><td>Linearity: ±1% F. S.</td></tr> <tr><td>Maximum load resistance: 250Ω supply at 12 V and 600Ω supply at 24 V</td></tr> <tr><td>Minimum load resistance: 50Ω</td></tr> </table>	Output current: 4 ... 20 mA ±2.5% F. S.	Linearity: ±1% F. S.	Maximum load resistance: 250Ω supply at 12 V and 600Ω supply at 24 V	Minimum load resistance: 50Ω										
Output current: 4 ... 20 mA ±2.5% F. S.															
Linearity: ±1% F. S.															
Maximum load resistance: 250Ω supply at 12 V and 600Ω supply at 24 V															
Minimum load resistance: 50Ω															
Ingress protection rating	<table border="1"> <tr><td>IP Rating</td><td>IP65</td></tr> <tr><td>Ambient temperature</td><td>Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)</td></tr> <tr><td>Ambient humidity</td><td>Operation/Storage: 35 ... 85% (without condensation)</td></tr> <tr><td>Supported voltage</td><td>1000 VAC in 1min. (between body and cable)</td></tr> <tr><td>Insulation resistance</td><td>50MΩ (at 500 VDC, between body and cable)</td></tr> <tr><td>Vibration</td><td>Total amplitude 1.5 mm or 10 G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z</td></tr> <tr><td>Impacts/shocks</td><td>100 m/s² (10 G), 3 times in each direction of X, Y and Z</td></tr> </table>	IP Rating	IP65	Ambient temperature	Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)	Ambient humidity	Operation/Storage: 35 ... 85% (without condensation)	Supported voltage	1000 VAC in 1min. (between body and cable)	Insulation resistance	50MΩ (at 500 VDC, between body and cable)	Vibration	Total amplitude 1.5 mm or 10 G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z	Impacts/shocks	100 m/s ² (10 G), 3 times in each direction of X, Y and Z
IP Rating	IP65														
Ambient temperature	Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)														
Ambient humidity	Operation/Storage: 35 ... 85% (without condensation)														
Supported voltage	1000 VAC in 1min. (between body and cable)														
Insulation resistance	50MΩ (at 500 VDC, between body and cable)														
Vibration	Total amplitude 1.5 mm or 10 G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z														
Impacts/shocks	100 m/s ² (10 G), 3 times in each direction of X, Y and Z														
Temperature characteristics	±2.5% Full Scale in a range between 0°C ... 50°C														
Type of connection	G1/8 (BSPP), M5 female														
Electrical cable	Oil resistant cable (internal 0.15 mm ²)														
Weight	Approximately 86 g (with 2 metres of cable)														

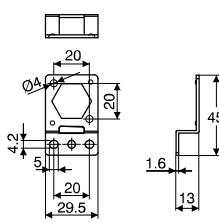
Output circuit wiring scheme



▶ Fastening bracket



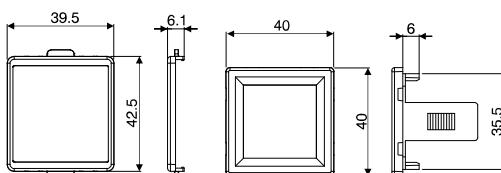
Ordering code
DS.BT10



▶ Panel mount adapter



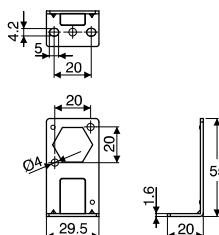
Ordering code
DS.PAE



▶ Fastening bracket



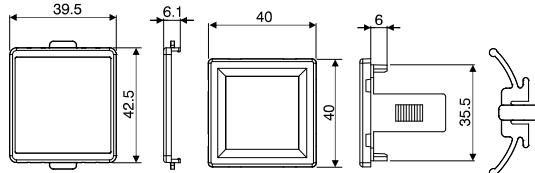
Ordering code
DS.BT11



▶ Panel mount adapter with screen protection

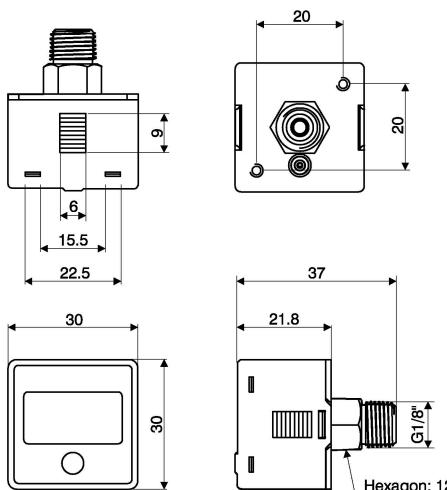


Ordering code
DS.PAF





► Digital battery vacuum gauge



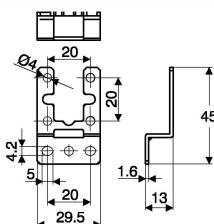
Ordering code
DS.60.V.I.F1.F.0

Caratteristiche tecniche											
Working pressure range	0 ... -100.0 kPa										
Regulation pressure range	0 ... -100.0 kPa										
Maximum supported pressure	300 kPa										
Allowed fluids	Air, non-corrosive gases, non-combustible gases										
Pressure calibration sensitivity	<table border="1"> <tr><td>kPa</td><td>0.1</td></tr> <tr><td>bar</td><td>0.01</td></tr> <tr><td>psi</td><td>0.1</td></tr> <tr><td>mmHg</td><td>1</td></tr> </table>	kPa	0.1	bar	0.01	psi	0.1	mmHg	1		
kPa	0.1										
bar	0.01										
psi	0.1										
mmHg	1										
Battery	CR 2032 lithium										
Backlight	Not present										
Battery life	3 years (5 powerups a day)										
Indication of battery level	Present										
Battery replaceable	Yes										
Display powerup time	Goes off after 60 seconds										
Sampling frequency	2 Hz (2 times per second)										
Repeatability	±1% F. S. ±1 digit										
Display	Display with 3 1/2 digits										
Indicator precision	±2% F.S. ±1 digit (at ambient temperature of 25°C ±3°C)										
Ingress protection rating	<table border="1"> <tr><td>IP Rating</td><td>IP65 (only with connected air tube)</td></tr> <tr><td>Ambient temperature</td><td>Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)</td></tr> <tr><td>Ambient humidity</td><td>Operational/Storage 35 ... 85% (without condensation)</td></tr> <tr><td>Vibration</td><td>Total amplitude 1.5 mm or 10 G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z</td></tr> <tr><td>Impacts/shocks</td><td>100 m/s² (10G), 3 times in each direction of X, Y and Z</td></tr> </table>	IP Rating	IP65 (only with connected air tube)	Ambient temperature	Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)	Ambient humidity	Operational/Storage 35 ... 85% (without condensation)	Vibration	Total amplitude 1.5 mm or 10 G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z	Impacts/shocks	100 m/s ² (10G), 3 times in each direction of X, Y and Z
IP Rating	IP65 (only with connected air tube)										
Ambient temperature	Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)										
Ambient humidity	Operational/Storage 35 ... 85% (without condensation)										
Vibration	Total amplitude 1.5 mm or 10 G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z										
Impacts/shocks	100 m/s ² (10G), 3 times in each direction of X, Y and Z										
Temperature characteristics	±2% Full Scale in a range between 0°C ... 50°C										
Type of connection	R1/8, M5 female										
Weight	Approximately 40 g										

► Fastening bracket



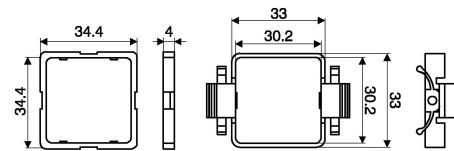
Ordering code
DS.BT5



► Panel mount adapter



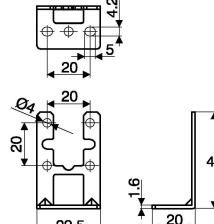
Ordering code
DS.PAC



► Fastening bracket



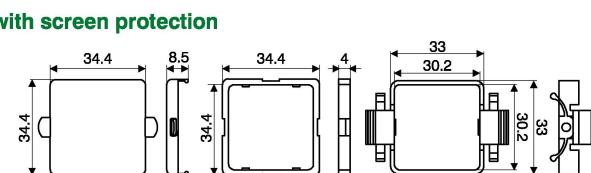
Ordering code
DS.BT6



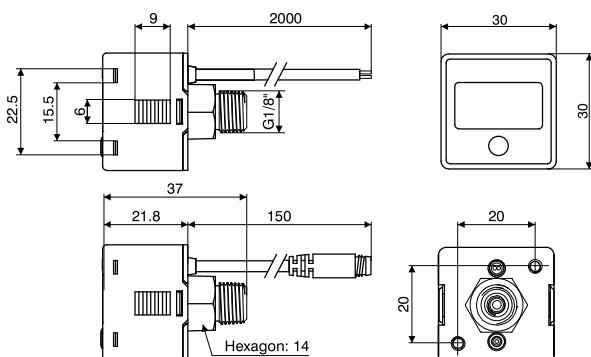
► Panel mount adapter with screen protection



Ordering code
DS.PAD



▶ Digital vacuum gauge



Ordering code

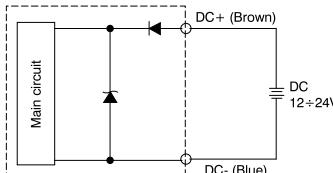
DS.61.V.I.F1.●.●

CABLE LENGTH	
●	A=150 mm *
D=200 mm **	
OPTIONS	
●	0= Without connector
2= With M8 4 Pin male connector	

* only with M8 connector
** only without connector

Technical features															
Working pressure range	0 ... -100.0 kPa														
Regulation pressure range	0 ... -100.0 kPa														
Maximum supported pressure	300 kPa														
Allowed fluids	Air, non-corrosive gases, non-combustible gases														
Pressure calibration sensitivity	<table border="1"> <tr> <td>kPa</td><td>1</td></tr> <tr> <td>2 kgf/cm²</td><td>0.01</td></tr> <tr> <td>bar</td><td>0.01</td></tr> <tr> <td>psi</td><td>0.1</td></tr> </table>	kPa	1	2 kgf/cm ²	0.01	bar	0.01	psi	0.1						
kPa	1														
2 kgf/cm ²	0.01														
bar	0.01														
psi	0.1														
Supply voltage	From 12 to 24 VDC ± 10%														
Current consumption	10 mA														
Repeatability	±1% Full Scale ±1 digit														
Display	Display with 3 1/2 digits (sampling 5 times per sec.)														
Indicator precision	±2% F. S. ±1 digit (at ambient temperature of 25°C ± 3°C)														
Ingress protection rating	<table border="1"> <tr> <td>IP Rating</td><td>IP65 (only with connected air tube)</td></tr> <tr> <td>Ambient temperature</td><td>Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)</td></tr> <tr> <td>Ambient humidity</td><td>Operation/Storage: 35 ... 85% (without condensation)</td></tr> <tr> <td>Supported voltage</td><td>1000 VAC in 1 min. (between body and cable)</td></tr> <tr> <td>Insulation resistance</td><td>50MΩ (at 500 VDC, between body and cable)</td></tr> <tr> <td>Vibration</td><td>Total amplitude 1.5 mm or 10G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z</td></tr> <tr> <td>Impacts/shocks</td><td>100 m/s² (10G), 3 times in each direction of X, Y and Z</td></tr> </table>	IP Rating	IP65 (only with connected air tube)	Ambient temperature	Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)	Ambient humidity	Operation/Storage: 35 ... 85% (without condensation)	Supported voltage	1000 VAC in 1 min. (between body and cable)	Insulation resistance	50MΩ (at 500 VDC, between body and cable)	Vibration	Total amplitude 1.5 mm or 10G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z	Impacts/shocks	100 m/s ² (10G), 3 times in each direction of X, Y and Z
IP Rating	IP65 (only with connected air tube)														
Ambient temperature	Operational: 0°C ... 50°C, Storage: -10°C ... 60°C (without ice or condensation)														
Ambient humidity	Operation/Storage: 35 ... 85% (without condensation)														
Supported voltage	1000 VAC in 1 min. (between body and cable)														
Insulation resistance	50MΩ (at 500 VDC, between body and cable)														
Vibration	Total amplitude 1.5 mm or 10G, 10 Hz - 55 Hz - 10 Hz scanning for 1 minute, 2 hours in each direction of X, Y and Z														
Impacts/shocks	100 m/s ² (10G), 3 times in each direction of X, Y and Z														
Temperature characteristics	±2% Full Scale in a range between 0°C ... 50°C														
Type of connection	R1/8, M5 female														
Electrical cable	Oil resistant cable (internal 0.15 mm ²)														
Weight	Approximately 60 g (with 2 metres of cable) and approximately 40 g (with M8 4 pin male connector)														

Output circuit wiring scheme

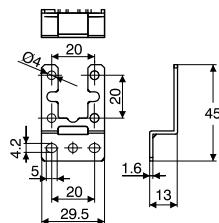


▶ Fastening bracket



Ordering code

DS.BT5

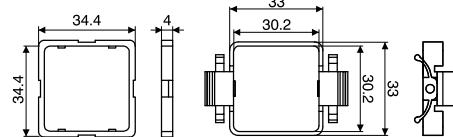


▶ Panel mount adapter



Ordering code

DS.PAC

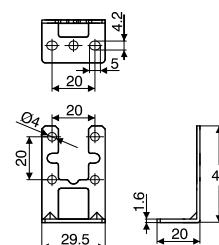


▶ Fastening bracket

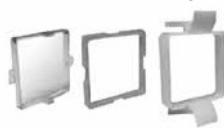


Ordering code

DS.BT6

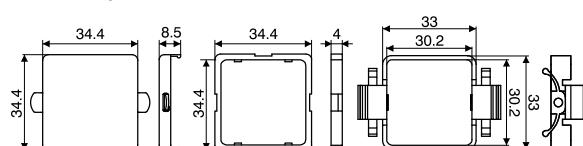


▶ Panel mount adapter with screen protection



Ordering code

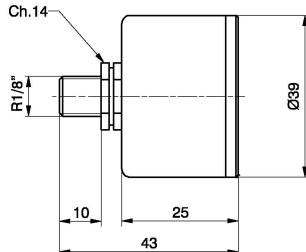
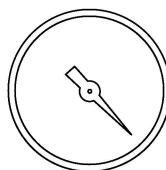
DS.PAD





Series 1900

► Vacuum Gauge



Ordering code

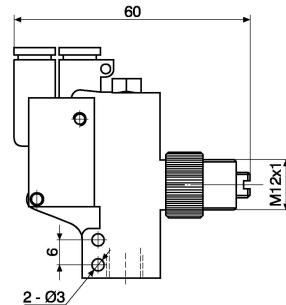
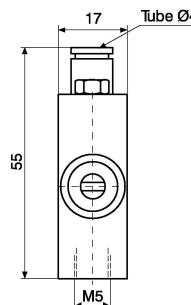
17070A.V



Technical features

Fluid	Unlubricated filtered air
Scale (-kPa)	0 ... 100
Temperature (°C)	-10 ... 80
Weight (g)	56

► Pneumatic vacuum switch

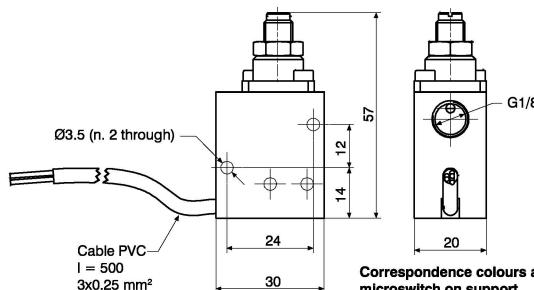


Vacuum switch whose function is, depending on the model, to turn a pneumatic signal on or off when a certain vacuum level is reached. The pressure differential that exists between the maximum value set and the restoration value cannot be adjusted. Especially recommended for the control of vacuum generators with a view to save energy.

Code	19TR4.C	19TR4.A
Type of contact	N.C. (Normally closed)	N.O. (Normally open)
Pressure (bar)	1.5 ~ 8	
Actuation threshold can be set (-kPa)	15 ~ 95	10 ~ 95
Hysteresis (kPa)	12	3
Temperature (°C)	-10 ~ +60°C	
Weight (g)	44	
Connections for vacuum	M5	

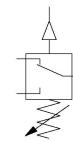
Function	Settable
N.C. (Normally closed)	
N.O. (Normally open)	

► Electromechanical vacuum switch



Correspondence colours and mounted
microswitch on support
Black = Common
Blue = N.C.
Grey = N.O.

Ordering code
19VCE.0.C1

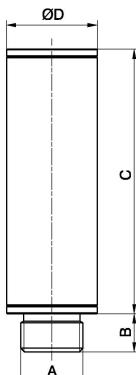


Vacuum switch whose function is to turn an electrical signal on or off when a certain vacuum level is reached. The pressure differential that exists between the maximum value set and the restoration value cannot be adjusted. Recommended for all cases where it is necessary to obtain an electrical signal once a certain level of vacuum is reached to start a work cycle, for control of the already attained grip by the suction cups or for reasons of safety, etc.

Technical features

Fluid	Vacuum
Flow rate	2A - 250 VAC
Regulation (-kPa)	20 ... 90
Temperature (°C)	-5 ... 70
IP Rating	IP67
Weight (g)	62,5

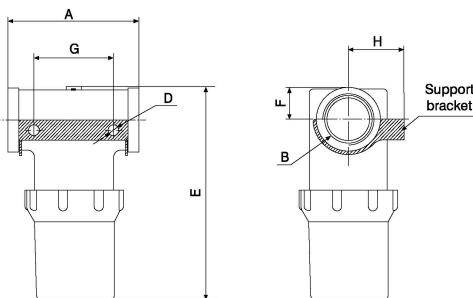
High efficiency silencers



Code	Description	A	B	C	ØD	Weight (g)
19S18.S	Silencer G1/8	G1/8	6	30	16	10
19S14.S	Silencer G1/4	G1/4	8	50	20	21
19S38.S	Silencer G3/8	G3/8	10	70	24	35
19S12.R	Silencer G1/2 reduced	G1/2	12	70	29	46
19S12.S	Silencer G1/2	G1/2	12	90	35	83
19S34.R	Silencer G3/4 reduced	G3/4	12	90	35	86
19S34.S	Silencer G3/4	G3/4	12	110	50	144
19S10.R	Silencer G1 reduced	G1	14	110	50	144

The use of sound-absorbing material enclosed in appropriate aluminium containers made it possible to create this range of silencers which significantly lower air noise in the vacuum generator discharge stage.
Noise reduction: from -13 to -20 dBA
Working temperature: from -20 to +100 °C

Vertical filters



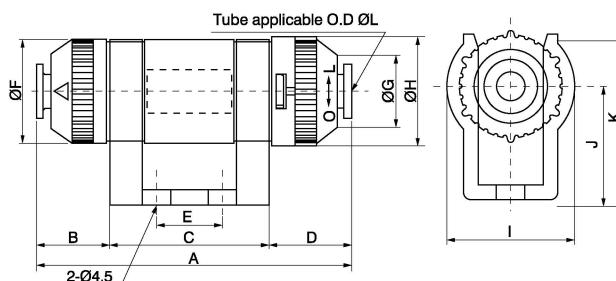
Code	Description	Flow rate (l/min)	Volume (cm³)	A	B	C	D	E	F	G	Weight (g)
19F38.V.00	Filter G3/8"	150	45	76	2-G3/8	2 - Ø6.5	71.3	14	45	70	
19F12.V.00	Filter G1/2"	900	195	91	2-G1/2	2 - Ø8.5	131.5	16	50	168	
19F34.V.00	Filter G3/4"	900	205	91	2-G3/4	2 - Ø8.5	139	18.5	50	170	
19F10.V.00	Filter G1"	2520	495	126	2-G1	2 - Ø10.5	167	23	80	424	

Filter elements

Code	Description
RK1900/0022	Filter element for 19F38.V.00
RK1900/0023	Filter element for 19F12.V.00 and 19F34.V.00
RK1900/0024	Filter element for 19F10.V.00

Preventing contaminants from reaching the vacuum generator is critical for maintaining its proper operation. Filters of this series have this function, manufactured in a simple way, have threaded connections for installation and a bowl that can be easily taken off to allow fast cleaning of the internal filter cartridge.
The various models of filter cover a flow rate range running from 150 to 2520 l/m, degree of filtration: 10 micron, working temperature: -20 / 80 °C, working pressure: -100 / 0 kPa.

Line filters

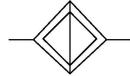


Code	Description	A	B	C	D	E	ØF	ØG	ØH	I	J	K	ØL	Weight (g)
19F04.L.01	Tube Ø4 - 20 l/min	53,2	9,1	30	14,1	10	18	11,6	19,5	23	20	29	4	14
19F06.L.01	Tube Ø6 - 20 l/min	53,2	9,1	30	14,1	10	18	11,6	19,5	23	20	29	6	13
19F06.L.02	Tube Ø6 - 50 l/min	67	15,5	34	17,5	14	22	15,6	23,1	27	24	35	6	26
19F08.L.02	Tube Ø8 - 50 l/min	67	15,5	34	17,5	14	22	15,6	23,1	27	24	35	8	24

Filter elements

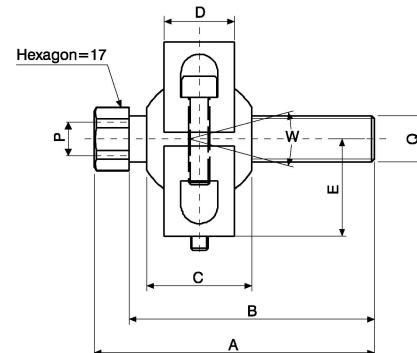
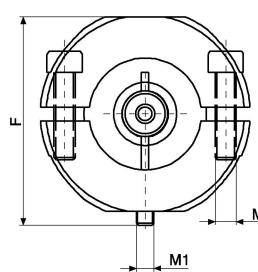
Code	Description
RK1900/0020	Filter element for 19F04.L.01 and 19F06.L.01
RK1900/0021	Filter element for 19F06.L.02 and 19F08.L.02

Line filters can handle very fine powders and contaminants without interfering with the intake flow rate. Thanks to the small dimensions they can be installed directly on the suction cups or on the vacuum pipework, and since they have automatic connections, wiring operations are facilitated.
Degree of filtration: 10 micron, working temperature: 0-60 °C, working pressure: -100 / 0 kPa.

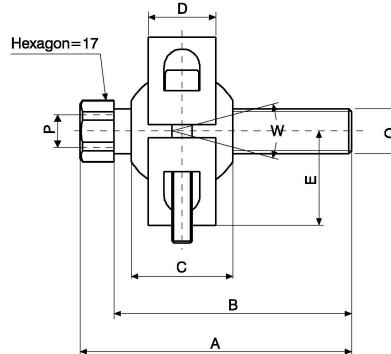
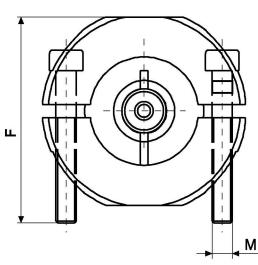




Suction Cup Support



Code	A	B	C	D	E	F	P	Q	M	M1	W	Weight (g)
19SP1.T	80	70	30	20	27.5	59.5	G1/4	G1/4	M6	M5	30°	174



Code	A	B	C	D	E	F	P	Q	M	W	Weight (g)
19SP2.T	80	70	30	20	27.5	61	G1/4	G1/4	M6	30°	180

Support for suction cup with adjustability and fastening via a ball bearing that allows it to be kept in the desired position.