



LOW PRESSURE DIAPHRAGM SWITCH

- Industrial diaphragm switch 300 Bar overpressure (600 Bar option)
- Zinc plated steel body
- Ranges from 0.1 -1 Bar, to 20 50 Bar
- Nitrile, EPDM, Viton diaphragm seals
- Standard push on terminals
- NC or NO contacts

Type 0166

Protective cap giving IP65 rating with dual cable duct for 46

<-O28->

1.7 - 2.2mm diameter cable

Part Number 1166 621 003



Protective cap giving IP65 rating with central cable duct for 1.5 - 5mm diameter cable

Part Number 1166 621 010

TECHNI	TECHNICAL DATA				
Contact rating	AC: 100vA DC: 60w				
Maximum operation	200/min				
Temperature range	-30°C to +120°C (According to diaphragm material)				
Maximum voltage	42V				
Mechanical life	106 operations				
Body material	Zinc plated steel (Fe/Zn 12cC)				
Protection	IP65, terminals IP00				

There are three diaphragm types available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Normall contact:	ly open → :	Normall	y closed→:	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar		
40302	010	40402	014	M12 x 1.5					
40303	011	40403	015	'A" BSP	0.1 - 1 ±0.2	0.1 - 1 ±0.2	0.1 - 1	±0.2	
40304	012	40404	016	'//" NPT					
40702	026	40802	030	M12 x 1.5	1-10	1-10 ±0.5			
40703	027	40803	031	'A" BSP			1-10 ±0.5	300*	
40704	028	40804	032	'//" NPT			(600* Bar		
41102	042	41202	046	M12 x 1.5			overpressure an		
41103	043	41203	047	1/4 T BSP	10 - 20	±1.0	option please ask		
41104	044	41204	048	1/6" NPT					
41502	058 -	41602	062	M12 x 1.5					
41503	059	41603	063	'/-" BSP	20 - 50	±2.0			
41504	060	41604	064	V₁* NPT					

^{*} Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select NO or NC contacts, thread type and pressure range, inserting a 1, 2 or 3 for the diaphragm material appropriate for the liquid/medium being used. e.g. NO contacts, 1/4" bsp thread, 1-10 bar range being used with hydraulic oil would be as below.

4 0 7 0 3 1 0 2 7





HIGH PRESSURE PISTON SWITCH

- Industrial piston switch 600 Bar overpressure
- Zinc plated steel body
- Nitrile, EPDM, Viton piston seals
- Range 50 150 Bar
- Standard push on terminals
- NC or NO contacts

Type 0169



TECHNI	TECHNICAL DATA				
Contact rating	AC: 100vA DC: 60w				
Maximum operation	200/min				
Temperature range	-30°C to +120°C (According to piston seal material)				
Maximum voltage	42V				
Mechanical life	10 ⁶ operations				
Body material	Zinc plated steel (Fe/Zn 12cC)				
Protection	IP65, terminals IP00				

There are three piston seals available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

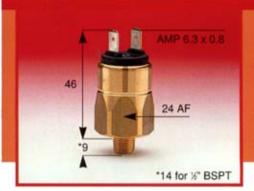
Normal contact	lly open → :	Normally contacts	y closed→:	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar
41902	010	42002	014	M12 x 1.5			
41903	011	42003	015	'//" BSP			
41904	012	42004	016	'//" NPT	50 - 150	±0.5	600*
41921	306	42021	308	"/ ₁₆ " - 18 UNF			
41909	311	42009	312	'/4" NPT			

Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select NO or NC contacts, thread type, inserting a 1, 2 or 3 for the piston seal material appropriate for the liquid/medium being used. e.g. NC contacts, '/₄" NPT thread, being used with hydraulic oil would be as below.

Order info: 0 1 6 9 4 2 0 0 4 1 0 1 6





LOW PRESSURE DIAPHRAGM BRASS BODIED SWITCH

- Industrial diaphragm pressure switch 20 Bar overpressure
- Brass body
- Nitrile, EPDM, Viton diaphragm seals
- Ranges from 0.1 1 Bar up to 10 20 Bar
- Standard push on terminals
- NC or NO contacts

Type

0167

		A	
6	Protective cap giving IP65 rating with dual cable duct for 1.7 - 2.2mm diameter cable	60	Protective cap giving IP65 rating with central cable duct fo 1.5 - 5mm diameter cable
-028	Part Number 1166 621 003	028	Part Number 1166 621 010

TECHNI	CAL DATA
Contact rating	AC: 100vA DC: 60w
Maximum operation	200/min
Temperature range	-30°C to +120°C (According to piston seal material)
Maximum voltage	42V
Mechanical life	10 ⁶ operations
Body material	Brass
Protection	IP65, terminals IP00

There are three diaphragm types available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Normall contacts	ly open → :	Normall	y closed →:	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar
40312	008	40412	011	'/₁" BSPT	0.1-1	±0.2	
40307	009	40407	012	'//" BSPT	0.1-1	±0.2	
40712	020	40812	023	'//a" BSPT	1-10	±0.5	20
40707	021	40807	024	'//" BSPT		±0.5	20
41112	032	41212	035	'/₀" BSPT	10 - 20	±1.0	
41107	033	41207	036	1/2" BSPT		10-20 ±1.0	

To order: Select NO or NC contacts, thread type and pressure range, inserting a 1, 2 or 3 for the diaphragm material appropriate for the liquid/medium being used. e.g. NC contacts, 1/2 BSPT thread, 1-10 bar range being used with water would be as below.

Order info: 0 1 6



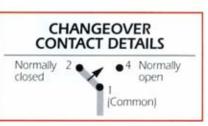


DIAPHRAGM PRESSURE SWITCH WITH CHANGEOVER CONTACTS

- Industrial diaphragm switch . Standard push on terminals 300 Bar overpressure
- Ranges from 0.3 1.5 Bar, to 10 - 100 Bar
- SPDT changeover contact
 - Zinc plated steel body
- Nitrile, EPDM, Viton diaphragm seals
- Gold contacts as standard on 0190 type

Type 0170 0190- Gold contacts







TECHNI	TECHNICAL DATA				
Contact rating	42V/4A (Gold contacts 24V/50mA max)				
Maximum operation	200/min				
Temperature range	-30°C to +120°C (According to diaphragm material)				
Maximum voltage	42V				
Hysterisis	10 to 30% adjustable				
Mechanical life	10 ⁶ operations at 50 bar pressure				
Body material	Zinc plated steel (Fe/Zn 12cC)				
Protection	IP65, terminals IP00				

There are three diaphragm types available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

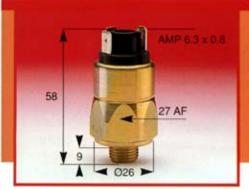
Type 0170 or 0190 (Gold contacts)		Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
45702	002	M12 x 1.5			
45703	003	'A" BSP	0.3 - 1.5	±0.2	100*
45704	318	'/₁" NPT		1000 0250	
45802	005	M12 x 1.5			
45803	006	'/4" BSP	1 - 10	±5.0	100*
45804	319	'∕₁" NPT			
45802	041	M12 x 1.5	-		
45803	042	1/4" BSP	1 - 10	±5.0 - 1.0	
45804	343	/s" NPT		110.000.0	
45902	008	M12 x 1.5			
45903	009	'/4" BSP	10 - 50	±3.0	300*
45904	320	76" NPT			
46102	011	M12 x 1.5			
46103	012	'/4" BSP	10 - 100	±3.0 - 5.0	
46104	321	'/₁" NPT			

Over pressure safety levels refer to the hydraulic or prieumatic part of the pressure switch.

To order: Select either standard or gold contacts, thread type and pressure range, inserting a 1, 2 or 3 for the diaphragm material appropriate for the liquid/medium being used. e.g. standard contacts '/-" BSP, 10-50 bar, being used with hydraulic fluid would be as below.

Order info: 0 1 7 0 4 5 9 0 3 3 0 0 9





PISTON PRESSURE SWITCH WITH CHANGEOVER CONTACTS

- Industrial piston switch 600
 Nitrile, EPDM, Bar overpressure
- Range 50 200 Bar
- SPDT Changeover contact
- Zinc plated steel body
- Standard push on terminals
- Viton piston seals
- Gold contacts as standard on 0191 type

Type 0171 0191- Gold contacts







TECHNICAL DATA		
Contact rating	42V/4A (Gold contacts 24V 150mA max)	
Maximum operation	200/min	
Temperature range	-30°C to +120°C (According to piston seal material)	
Maximum voltage	42V	
Hysterisis adj.	10 to 30%	
Mechanical life	10 ⁶ operations	
Body material	Zinc plated steel (Fe/Zn 12cC)	
Protection	IP65, terminals IP00	

There are three piston seal materials available, each one suitable for the following mediums.

SUCO Diaphragm type Material		Suitable for
and the same	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Type 0171 or 0191 (Gold contacts)		Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
46002	002	M12 x 1.5			
46003	003	'/-" BSP	50 - 200	±5.0	600*
46004	304	'/ı" NPT	462.037	277.5%	

Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select either standard or gold contacts, thread type, insert a 1, 2 or 3 for the piston seal appropriate for the liquid/medium being used. e.g. Gold contacts, 'A" NPT thread, being used with engine oil would be as below.







DIAPHRAGM PRESSURE SWITCH WITH 4A RATED CHANGEOVER CONTACTS

- Industrial diaphragm switch 300 Bar overpressure
- Ranges from 0.3 1.5 Bar, to 10 100 Bar
- SPDT changeover contact
- Zinc plated steel body
- Standard push on terminals
- Nitrile, EPDM, Viton diaphragm seals

CE

Туре

0180







TECHNICAL DATA		
Contact rating	4A	
Maximum operation	200/min	
Temperature range	-30°C to +120°C (According to diaphragm material)	
Maximum voltage	250VAC	
Hysterisis	10 to 30% adjustable	
Mechanical life	10 ⁶ operations at 50 bar pressure	
Body material	Zinc plated steel (Fe/Zn 12cC)	
Protection	IP65, terminals IP00	

There are three diaphragm types available, each one suitable for the following mediums.

SUCO Diaphragm type Material		Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

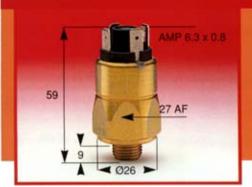
Туре	e 0180	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
45702	002	M12 x 1.5			122
45703	003	'/-" BSP	0.3 - 1.5	±0.2	100*
45704	318	¼" NPT			
45802	005	M12 x 1.5			100*
45803	006	'//" BSP	1 - 10	±5.0	
45804	319	1/1" NPT			
45802	041	M12 x 1.5			
45803	042	'A" BSP	1 - 10	±5.0 - 1.0	300*
45804	343	1/6" NPT			
45902	008	M12 x 1.5		±3.0	
45903	009	1/4" BSP	10 - 50		
45904	320	1/6" NPT			
46102	011	M12 x 1.5		10000 202	
46103	012	¼" BSP	10 - 100	±3.0 - 5.0	
46104	321	'/₁" NPT			

Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select thread type and pressure range, inserting a 1, 2 or 3 for the diaphragm material appropriate for the liquid/medium being used. e.g. '/-" bsp thread, 10-100 bar range being used with hydraulic fluid would be as below.

Order info 0 1 8 0 4 6 1 0 3 3 0 1 2





PISTON PRESSURE SWITCH WITH 4A RATED CHANGEOVER CONTACTS

CE

- Industrial piston switch 600 Bar overpressure
- Range 50 200 Bar
- SPDT changeover contact
- Zinc plated steel body
- Standard push on terminals
- Nitrile, EPDM, Viton piston seals

Type 0181







TECHNICAL DATA		
Contact rating	4A	
Maximum operation	200/min	
Temperature range	-30°C to +120°C (According to piston seal material)	
Maximum voltage	250VAC	
Hysterisis adj.	10 to 30%	
Mechanical life	10° operations	
Body material	Zinc plated steel (Fe/Zn 12cC)	
Protection	IP65, terminals IP00	

There are three piston seal materials available, each one suitable for the following mediums.

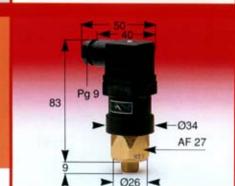
SUCO Diaphragm type Material		Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Тур	e 0181	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
46002	002	M12 x 1.5			
46003	003	'A" BSP	50 - 200	±5.0	600*
46004	304	'/₁" NPT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select thread type, insert a 1, 2 or 3 for the piston seal material appropriate for the liquid/medium being used. e.g. '/₈" NPT thread, being used with brake fluid would be as below.





DIAPHRAGM PRESSURE SWITCH WITH 4A RATED CHANGEOVER CONTACTS AND BUILT IN CONNECTOR

- Pressure range from 0.3 1.5 Bar, to 10 100 Bar
- Up to 300 Bar overpressure
- SPDT changeover contact
- Zinc plated steel body
- Nitrile, EPDM, Viton diaphragm seals

Type 0184



TECHNICAL DATA		
Contact rating	4A	
Maximum operation	200/min	
Temperature	-30°C to +120°C	
range	(According to diaphragm material)	
Maximum voltage	250VAC	
Hysterisis adj.	10 to 30%	
Mechanical life	106 operations at 50 Bar pressure	
Body material	Zinc plated steel (Fe/Zn 12cC)	
Protection	IP65	

There are three diaphragm types available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

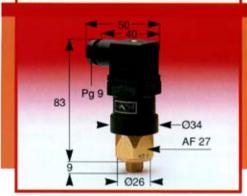
Тур	pe 0184	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
45702	002	M12 x 1.5	02.15	0.2	100-
45703	003	'/4" BSP	0.3 - 1.5	±0.2	100*
45802	041	M12 x 1.5	1.10	05.10	
45803	042	'A" BSP	1-10	±0.5 - 1.0	700
45902	008	M12 x 1.5	10.50	-3.0	
45903	009	'/4" BSP	10 - 50	±3.0	300*
46102	011	M12 x 1.5		.20.50	
46103	012	1/4" BSP	10 - 100	±3.0 - 5.0	

^{*} Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select thread type and pressure range, insert a 1, 2 or 3 for the diaphragm material appropriate for the liquid/medium being used. e.g. M12 x 1.5, 10 -100 bar, being used with brake fluid would be as below.

Order info 0 1 8 4 4 6 1 0 2 2 0 1 1



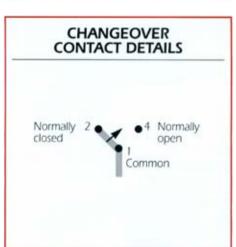


PISTON PRESSURE SWITCH WITH 4A RATED CHANGEOVER CONTACTS AND BUILT IN CONNECTOR

- Range 50 to 200 Bar
- SPDT changeover contact
- Zinc plated steel body
- Standard push on terminals
- Nitrile, EPDM, Viton diaphragm seals

Type 0185

CE



TECHNICAL DATA				
Contact rating	4A			
Maximum operation	200/min			
Temperature range	-30°C to +120°C (According to piston seal material)			
Maximum voltage	250VAC			
Hysterisis adj.	10 to 30%			
Mechanical life	10° operations			
Body material	Zinc plated steel (Fe/Zn 12cC)			
Protection	IP65			

There are three piston seal materials available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Туре	0185	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
46002	002	M12 x 1.5	E0. 200	.50	400+
46003	003	N. BSb	50 - 200	±5.0	600*

^{*} Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select thread type, insert a 1, 2 or 3 for the piston seal material appropriate for the liquid/medium being used. e.g. '/4" BSP, being used with acetylene would be as below.





STAINLESS STEEL DIAPHRAGM & PISTON PRESSURE SWITCH WITH 4A RATED CHANGEOVER CONTACTS

- Full stainless steel (1.4305) body
- Up to 600 Bar overpressure
- Range from 0.5 5 Bar to 50 - 200 Bar
- SPDT changeover contact
- Standard push on terminals
- Nitrile, EPDM, Viton seals

Type 0186-Diaphragm 0187-Piston

CE







Contact rating	4AV250VAC
Maximum operation	200/min
Temperature range	-30°C to +120°C (According to diaphragm/ piston seal material)
Maximum voltage	250VAC
Hysterisis adj.	10 to 30%
Mechanical life Diaphragm type Piston type	10° operations at up to 50 Bar pressure 10° operations
Body material	Stainless steel (1.4305)
Protection	IP65, terminals IP00

There are three diaphragm/piston seal materials available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Type 0186 with diaphragm		Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
45703	003	'/4" BSP	0.5 - 5	± 0.2	
45803	006	'/4" BSP	1 - 10	± 0.5	200-
45903	009	'/4" BSP	10 - 50	± 3.0	300*
46103	012	'/4" BSP	10 - 100	± 3.0 - 5.0	

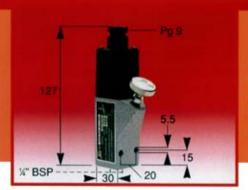
Type 018	7 with piston	Thread type	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
46003	003	'/4" BSP	50 - 200	± 5.0	600°

^{*} Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select pressure range, insert a 1, 2 or 3 for the diaphragm/piston seal appropriate for the liquid/medium being used. e.g. 50 - 200 bar range, being used with brake fluid would be as below.

Order info 0 1 8 7 4 6 0 0 3 2 0 0 3





MANIFOLD STYLE PRESSURE SWITCH WITH EXTERNAL SETPOINT ADJUSTMENT

- Industrial switch up to N 600 Bar overpressure • A
- Range from 0.2 2 Bar, to 100 - 400 Bar
- SPDT changeover contact
- Nitrile, EPDM, Viton seals
- Aluminium body
- External set point adjustment

1/4" BSP female connection

Type 0159

CE



TECHNICAL DATA				
Contact rating ZA at 24Vdc and 0.2A at 220Vac Inductive ZA at 24Vdc and 1 amp at 220Vac				
Maximum operation	200/min			
Temperature range	-20°C to +100°C (According to piston seal material)			
Maximum voltage	250VAC			
Hysterisis	10 to 30%			
Mechanical life	106 operations			
Body material	Aluminium (AlMg Si 1 F 28)			
Connection type	Bottom entry, '4" BSP female			
Protection	IP65			

There are three diaphragm/piston seal types available, suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Type 0159 with diaphragm		ohragm Adjustment range in Bar Tolerance in Bar at room tem		h diaphragm Adjustment range in Bar Tolerance in Bar at room temp		Overpressure up to Bar*
42614	001	0.2 - 2	± 0.2 - 0.3			
42714	001	0.5 - 5	± 0.2 - 0.5			
42814	100	1 - 10	± 0.5	200+		
42914	001	2 - 20	± 1.0	200*		
43014	100	5 - 50	± 3.0			
43114	001	10 - 100	± 3.0 - 5.0			

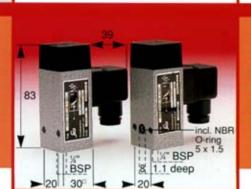
Type 015	9 with piston	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
43214	100	10 - 100	± 3.0 - 5.0	
43314	001	25 - 250	50.70	600*
43414	001	40 - 400	± 5.0 - 7.0	

^{*} Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select pressure range, insert a 1, 2 or 3 for the diaphragm/piston seal material appropriate for the liquid/medium being used. e.g. 25 -250 bar, being used with acetylene would be as below.

Order info 0 1 5 9 4 3 3 1 4 2 0 0 1





MANIFOLD STYLE PRESSURE SWITCH WITH BUILT IN CONNECTOR

- Industrial switch up to 600 Bar overpressure
- Range from 0.5 1 Bar, to 100 400 Bar
- SPDT changeover contact
- Nitrile, EPDM, Viton diaphragm/piston seals
- 1/4" BSP female connection (0161)
- Side entry manifold type available as standard (0162) 0162-Manifold Type

Type 0161 162- Manifold Type

CE



TECHNICAL DATA			
Туре	0161	0162	
Contact rating Resistive Inductive	2A at 24Vdc and 2A at 24Vdc and		
Maximum operation	200/min		
Temperature range	-20°C to +100°C (According to piston seal material)		
Maximum voltage	250VAC		
Hysterisis adj.	. 10 to 30%		
Mechanical life	10 ⁶ operations		
Body material	Aluminium (AlMg Si 1 F 28)		
Connection type	Bottom entry, '4" BSP female	as 0161 type with NBR o-ring 5x1.5	
Protection	IP65		

There are three diaphragm/piston types available, suitable for the following mediums.

SUCO Diaphragm type Material		Suitable for	
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air	
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid	
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline	

Type 0161 with diaphragm 0162		Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
43614	100	0.5 - 1	± 0.2	
43714	001	0,5 - 5	± 0.2 - 0.5	
43814	001	1 - 10	± 0.5	200*
43914	001	10 - 50	± 3.0	
44014	001	50 - 100	± 3.0 - 5.0	

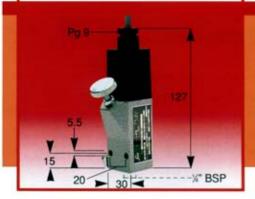
Type 0161 with piston 0162		Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
441141	001	100 - 400	± 5.0 - 9.0	600*

^{*} Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select standard or manifold type, pressure range, insert a 1, 2 or 3 for the diaphragm/piston seal material appropriate for the liquid/medium being used. e.g. Manifold, 10 -50 bar, being used with hydraulic oil would be as below.

Order info: 0 1 6 2 4 3 9 1 4 1 0 0 1





PROOF MANIFOLD STYLE PRESSURE SWITCH, EXTERNAL SETPOINT ADJUSTMEN

Up to 600 Bar overpressure

Ranges from 1 - 6 Bar, to 100 - 400 Bar

SPDT changeover contact

Aluminium body

 Nitrile, EPDM, Viton diaphragm/piston seals 1/4" BSP female

connection

Externally adjustable set point

2m cable

Type 0165

CHANGEOVER CONTACT DETAILS



Note: The three core cable is moulded into the switch.

> 1 = White 2 = Green 4 = Brown

TECHNICAL DATA		
Contact rating	0.25A at 250Vdc and 1A at 25Vac	
Maximum operation	200/min	
Temperature range	-30°C to +80°C (According to diaphragm/piston seal material)	
Maximum voltage	250VAC	
Hysterisis	10 to 30%	
Mechanical life	10 ⁶ operations	
Body material	Aluminium (AIMg Si 1 F 28)	
Protection	IP65	
"Cenelec" approval	EEx d11 C T6	
Test certificate no.	PTB-No. Ex 84/1052	
Length of cable	2 m (standard)	
Connection type	Connection type Bottom entry, '/-" BSP female	

There are three diaphragm/piston types available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Type 0165 with diaphragm		Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
44814	001	1-6	± 0.5	2001
44914	001	5 - 50	± 3.0	200*

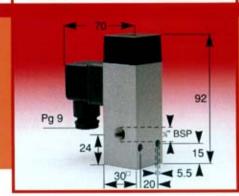
Type 016	5 with piston	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
45014	001	20 - 100	± 3.0 - 5.0	400*
45114	001	100 - 400	± 5.0 - 9.0	600*

Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select pressure range, insert a 1, 2 or 3 for the diaphragm/piston seal suitable for the liquid/medium being used. e.g. 20 - 100 bar, being used with heating oil would be as below.

Order info: 0 1 6 5 5 0 1 4 1 0 0 1 4





MANIFOLD STYLE VACUUM SWITCH WITH CHANGEOVER CONTACTS AND BUILT IN CONNECTOR

Industrial vacuum switch, 20 Bar pressure

- Range from 100 1000 mBar
- SPDT changeover contact
- Aluminium body

1/8" BSP female connection (side entry)

CE

Туре

0150

COI	NTACT	DLI	, all
Normally closed	2	•4	Normally open

TECHNICAL DATA		
Contact rating Resistive Inductive	6A at 24Vdc and 0.5A at 220V 6A at 24Vdc and 3A at 220Vac	
Maximum operation	200/min	
Temperature range	-30°C to +100°C (According to piston seal material)	
Maximum voltage	250VAC	
Hysterisis	100 mBar approx	
Mechanical life	106 operations	
Body material	Aluminium (AIMg Si 1 F 28)	
Connection type	Side entry, '//" BSP female	
Protection	IP65	

There is one diaphragm type available, suitable for the following mediums.

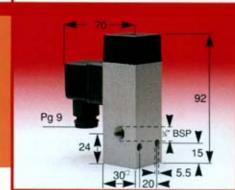
Γ	SUCO Diaphragm type	Material	Suitable for
	4	ECO	Air, Oil, Grease, Fuel (epichlorohydrin rubber)

Type 0150			Adjustment range in mBar	Tolerance in mBar at room temp	Overpressure up to Bar
45615	4	001	100 - 1000	± 50	20

To order: Part number as below.

Order info 0 1 5 0 4 5 6 1 5 4 0 0 1





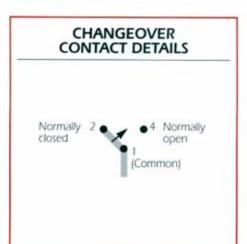
MANIFOLD STYLE VACUUM SWITCH WITH CHANGEOVER CONTACTS AND BUILT IN CONNECTOR

Industrial vacuum switch, 20 Bar pressure

- Range from 100 1000 mBar
- SPDT changeover contact
- Aluminium body
- 1/8" BSP female connection (side entry)

N Ed

Type 0150



TECHNICAL DATA				
Contact rating Resistive Inductive	6A at 24Vdc and 0.5A at 220V 6A at 24Vdc and 3A at 220Vac			
Maximum operation	200/min			
Temperature range	-30°C to +100°C (According to piston seal material)			
Maximum voltage	250VAC			
Hysterisis	100 mBar approx			
Mechanical life	106 operations			
Body material	Aluminium (AIMg Si 1 F 28)			
Connection type	Side entry, '//" BSP female			
Protection	IP65			

There is one diaphragm type available, suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for	
4	ECO	Air, Oil, Grease, Fuel (epichlorohydrin rubber)	_

Type 0150			Adjustment range in mBar	Tolerance in mBar at room temp	Overpressure up to Bar
45615	4	001	100 - 1000	± 50	20

To order: Part number as below.

Order info: 0 1 5 0 4 5 6 1 5 4 0 0 1