

PS83 – OEM Subminiature Vacuum Switch

► 12" to 30" Hg (406 to 1016 mbar) *formerly PS-J series*

This compact vacuum switch is designed for OEM applications. Metal blade contacts in lieu of microswitches make this a very economical switch. The PS83 series features Teflon®-coated Kapton® diaphragms. Kapton® polyimide maintains excellent physical properties over a wide temperature range, while the Teflon® coating offers superb chemical resistance.

Specifications

Operating Temperature	-40°F to +200°F (-40°C to +93°C)
Switch*	100 VA Max.; 42 V Maximum Voltage
Repeatability	±10% of Full Set Point Range @ 70°F (20°C) ambient temp.
Wetted Parts	
Diaphragm	Teflon®-coated Kapton®
Housing	Brass (optional 316 SS)
Electrical Termination	Exposed Terminals IP00; Flying Leads IP00; IP option IP65
Proof Pressure	0 psig to 150 psig
Approvals	CE (UL Approved units available)
Weight, Approximate	0.14 lbs. (0.06 kg)

*Gold contacts (option G) may be required for less than 12 VDC and 20 mA.
Teflon® and Kapton® are registered trademarks of Dupont.

How To Order

Use the **Bold** characters from the chart below to construct a product code.

SELECT	PS83	-20	-4MNB	-A	-SP	-XX	-XXXX
1. Pressure Range Code							
Insert Pressure Range Code from table below							
2. Pressure Fitting ¹							
Brass			316 Stainless Steel				
-2MNB 1/8" NPTM			-2MNS 1/8" NPTM				
-4MNB 1/4" NPTM			-4MNS 1/4" NPTM				
-2MGB 1/8" BSPM			-2MGS 1/8" BSPM				
-4MGB 1/4" BSPM			-4MGS 1/4" BSPM				
-8MGB 1/2" BSPM			-4MSS 7/16"-20 SAE Male				
-M10B M10 x 1.0 Straight			-6MSS 9/16"-18 SAE Male				
-M12B M12 x 1.5 Straight							
-4MSB 7/16"-20 SAE Male							
-6MSB 9/16"-18 SAE Male							
3. Circuit							
-A SPST/NO; -B SPST/NC							
4. Electrical Termination							
-SP Spade Terminals (standard); -TS Terminal Screws;							
-FLXX Flying Leads ² ; -FLSXX Flying Leads w/PVC Shrink Tubing ²							
5. Options							
-G Gold Contacts (for loads less than 12 mA @ 12 VDC); -IP Ingress Protection ³ ;							
-OXY Oxygen Cleaned; -RB Rubber Boot (shipped loose);							
-WF Weather Pack Connector, Female; -WM Weather Pack Connector, Male;							
-DE Deutsch Connector, Male, DT04 Series							
6. Fixed Set Point (optional)							
A. Specify set point -FS (in Inches Hg or mBAR, see example) ⁴							
B. Set Point Actuation							
R on Rising Vacuum; F on Falling Vacuum							
Example: -FS500MBARF for 500 mBAR Falling or -FS14INHGR for 14" Hg Rising							

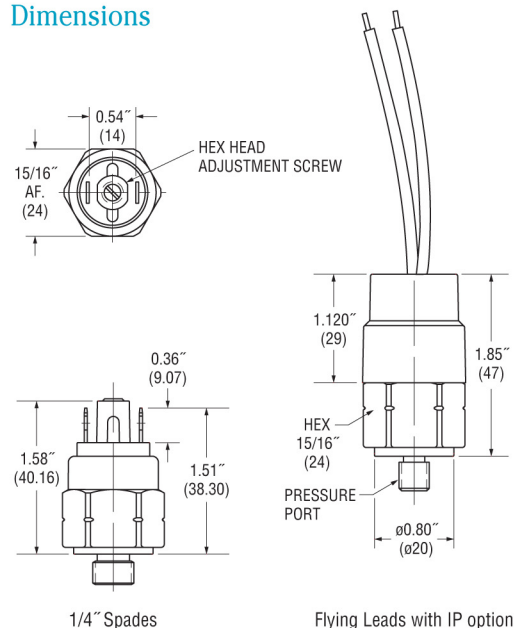
Notes:

- Other connectors available. Consult factory.
- 18" is standard. Specify lead length in inches (max. 48"). e.g. **-FL18** or **-FLS30**.
- Ingress Protection is available only with **-FL** or **-FLS** Electrical Termination.
- Set Point must be within Pressure Range selected in Step 1 above.



CE

Dimensions



Pressure Range Table

Pressure Range Code	Pressure Range	Average Dead Band
20	12-28" Hg (406.4-9.48.2 mbar)	Less than 15% of full set point range

Adjustable vacuum switches VCM...-VCN... - Subminiature

Adjusting range from 200 ÷ 900 mbar

USE

Our adjustable membrane vacuum switches, subminiature series, model VCM...-VCN... have been designed to be used to check and signal the vacuum status in chemical, pharmaceutical, industrial, pneumatic, hydraulic and food plants. By means of a sensitive separator in NBR, Viton or Silicone any motion, provided by a change in the status of vacuum, is transmitted to the electric contacts, that can be either normally open NO or normally closed NC (when no signal is received) according to the requirements of the electric circuit to be checked. It is important to know that these electric contacts are of a slow motion type and therefore, the power supply must be limited to max 0.5A resistive and 0.2A inductive. For higher loads a protection relay is recommended. Vacuum switches are designed with steel or stainless steel hexagonal body, a retainer with faston connection terminals, springs to balance and adjust the vacuum to be checked, silver electric contacts, adjustment screw and a sensitive diaphragm. To set the vacuum switch at the value to be checked, a small screwdriver must be used to operate the V adjusting screw. With model VCM, it is necessary to remove before the fastening bush (B) of CAP3, paying attention not to affect the spring and the correct working of the vacuum switch. By operating the V adjusting screw clockwise, the intervention value of the vacuum switch is reduced to the lowest value in the down scale (200 mbar). It is advisable both to install the device far from vibration and heat sources, in order to avoid to alter the set point value and consequently its repeatability, and to protect the electric contacts from dirt and moisture using the protection CAP1 or CAP10 for VCN model and CAP3 for VCM one.

On request, vacuum switches set at the required value are supplied.

VACUUM SWITCHES MATERIAL FOR STANDARD EXECUTION

"F" Contact holder	Nylon 6,6
Protection cap	black NBR
Membrane	NBR
Ch24 Body	Tropicalized steel
Electric contact	Silver plated copper at 3 µ

TECHNICAL DATA FOR STANDARD EXECUTION

Maximum voltage	48 V
Current	0.5A (resistive) 0.2A (inductive)
Working temperature	-5° +60 °C
Protection	IP 00
Protection with CAP10	IP 54
Protection with CAP1	IP 54
Protection with CAP3	IP 65
Max. No. of strokes at 25 °C	200/1" with NBR membrane
Mechanical life	10 ⁶ cycles
Stiffness test	1500V - 10 mA - 10"
Tightening torque	max. 5 Kgm.

ORDERING CODE

VCM1...	Vacuum switch with clamp + earth contact
VCN2...	Vacuum switch with faston 6.3 x 0.8
A	NO contact (without vacuum)
C	NC contact (without vacuum)
T400	Set point adjustment rising at -400 mbar
T400D	Set point adjustment falling at -400 mbar

Special membrane (on request)

V	Viton membrane (-5 °C +90 °C)
S	Silicone membrane (-30 °C +120 °C)
NT	HNBR special membrane (-40 °C+140°C)
E	EPDN membrane (-20 °C+120 °C)

Available threads (C)

-	G 1/8K taper thread standard
14K	G 1/4K taper thread

Special execution (on request)

G	Gold plated at 3 micron contacts for low current
I	Execution with hexagonal body stainless steel AISI 303
P	Pocan contact holder temp. -40 °C+140 °C

IN COMPLIANCE WITH CE 89/336 STANDARDS EMC No. 147E/96 FOR VCN..., EMC N° 148/96 FOR VCM REPORT

PS81 – Ultra-Long Life Vacuum Switches



- ▶ 0.75" to 15" Hg (25 to 508 mbar)
- ▶ Sensitive Diaphragm for Lower Set Points
- ▶ Factory Fixed or Adjustable Set Points
- ▶ DPDT Versions Available

For low vacuum applications, the longevity of our PS81 Series is hard to beat. A life expectancy of 1 million cycles means long-term reliability. Their brass housing and choice of four diaphragm materials ensures chemical compatibility with your system. PS81 series switches have a field adjustable set point or can be factory set.

Specifications

Operating Temperature	-40°F to +180°F (-40°C to +80°C)
Switch*	5 Amp @ 24 VDC and 250 VAC 1 Amp @ 24 VDC (-G option)
Repeatability	±2% of Full Set Point Range at 70°F (20°C)
Wetted Parts	
Diaphragm	Nitrile standard (optional EPDM, Viton® or Kapton®)
Fitting	Brass
Housing	Brass
Spring	Stainless Steel
Spring Guide	Dolrin
Electrical Termination	DIN 43650A IP65; Terminals IP00; Flying Leads IP65; IP option IP66
Proof Pressure	150 psi (10 bar)
Approvals	CE, UL Approved units available
Weight, Approximate	0.31 lbs. (0.14 kg)

*Gold contacts (option G) may be required for less than 12 VDC and 20 mA.

How To Order

Use the **Bold** characters from the chart below right to construct a product code.

SELECT	PS81	-10	-4MNB	-C	-H	-XX	-XXXX
1. Pressure Range Code							
Insert Pressure Range Code from table below							
2. Pressure Fitting							
-2MNB 1/8" NPTM Brass; -4MNB 1/4" NPTM Brass;							
-2FNB 1/8" NPTF Brass; -4MGB 1/4" BSPM Brass;							
-4MSB 7/16"-20 SAE Male, Brass;							
-6MSB 9/16"-18 SAE Male, Brass							
3. Circuit							
-A SPST/NO; -B SPST/NC; -C SPDT;							
-AA DPST/NO; -BB DPST/NC; -CC DPDT							
4. Electrical Termination							
-FLXX Flying Leads ¹ ; -ELXX 1/2" NPT Male Conduit w/Flying Leads ² ;							
-H DIN 43650A Male Half Only ³ ; -HC DIN 43650A 9mm Cable Clamp ³ ;							
-HN DIN 43650A with 1/2" Female NPT Conduit ³							
5. Options							
-V Viton® Diaphragm; -E EPDM Diaphragm; -K Kapton® Diaphragm;							
-G Gold Contacts (for loads less than 12 mA @ 12 VDC); -OXY Oxygen Cleaned;							
-IP Ingress Protection ⁴							
6. Fixed Set Point (optional)							
A. Specify set point -FS (in Inches Hg or mBAR, see example) ⁵							
B. Set Point Actuation							
R on Rising Vacuum; F on Falling Vacuum							
Example: -FS100MBARF for 100 mBAR Falling or -FS2INHGR for 2" Hg Rising							

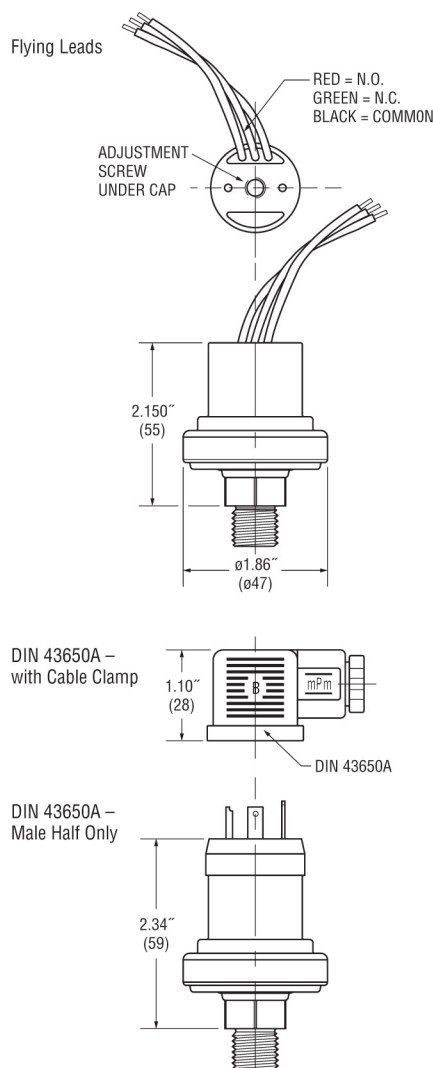
Notes:

- 18" is standard. Specify lead length in inches (max. 48"). e.g. -FL18 or -FL30.
- 18" is standard. Specify cable length in inches (max. 48"). e.g. -EL18 or -EL30.
- DIN connectors require -C SPDT circuit.
- Ingress Protection is available only with -FL Electrical Termination and requires Fixed Set Point -FS.
- Set Point must be within Pressure Range selected in Step 1 above.



CE

Dimensions



Pressure Range Table

Pressure Range Code	Pressure Range	Average Dead Band
10	.75-5" Hg (25.4-169.3 mbar)	0.2-0.5" Hg (0.6-0.15 mbar)
20	4-15" Hg (135.5-508.0 mbar)	0.3-0.7" Hg (0.9-2 mbar)

PS82 – Economical Miniature Vacuum Switches

► 5" to 30" Hg (169 to 1016 mbar) *formerly PS-EV series*

These miniature vacuum switches, based on our proven PS71 series, are designed for demanding applications where space and/or price are strong concerns.

Specifications

Operating Temperature	-40°F to +180°F (-40°C to +80°C)
Switch*	5 Amp at 12/24 VDC and 125/250 VAC; 1 Amp with gold contacts (option G)
Repeatability	±2% of Full Set Point Range @ 70°F (20°C)
Wetted Parts	
Diaphragm Material	Nitrile standard (optional EPDM, Viton® and Neoprene)
Fitting	Brass (optional 316 Stainless Steel)
Spring	316 Stainless Steel
Electrical Termination	DIN 43650A IP65; Male Conduit with Flying Leads IP00; Flying Leads IP65; IP option IP66
Proof Pressure	500 psi (35 bar)
Approvals	CE
Weight, Approximate	0.5 lbs. (0.25 kg)

*Gold contacts (option G) may be required for less than 12 VDC and 20 mA.
Viton® is a registered trademark of Dupont.

How To Order

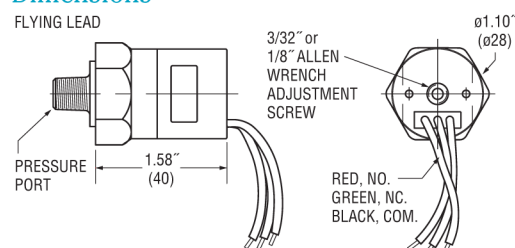
Use the **Bold** characters from the chart below to construct a product code.

SELECT	PS82	-10	-4MNB	-C	-H	-XX	-XXXX
1. Pressure Range Code							
Insert Pressure Range Code from table below right							
2. Pressure Fitting ¹							
Brass			316 Stainless Steel				
-2MNB 1/8" NPTM			-2MNS 1/8" NPTM				
-4MNB 1/4" NPTM			-4MNS 1/4" NPTM				
-2MGB 1/8" BSPM			-4MGS 1/4" BSPM				
-4MGB 1/4" BSPM							
-4MSB 7/16"-20 SAE Male							
-6MSB 9/16"-18 SAE Male							
3. Circuit							
-A SPST/NO; -B SPST/NC; -C SPDT;							
4. Electrical Termination							
-FLXX Flying Leads ² ; -FLSXX Flying Leads w/PVC Shrink Tubing ² ;							
-ELXX 1/2" NPT Male Conduit w/Flying Leads ³ ; -CABXX 18 AWG PVC Cable ⁴ ;							
-H DIN 43650A Male Half Only ⁵ ; -HR Right Angle DIN 43650A Male Half Only ⁵ ;							
-HC DIN 43650A 9mm Cable Clamp ⁵ ;							
-HCR Right Angle DIN 43650A 9mm Cable Clamp ⁵ ;							
-HN DIN 43650A with 1/2" Female NPT Conduit ⁵ ;							
-HNR Right Angle DIN 43650A with 1/2" Female NPT Conduit ⁵ ;							
-HM Micro (9.4mm Spacing) DIN Style Male Half Only ⁵							
5. Options							
-V Viton® Diaphragm; -N Neoprene Diaphragm; -E EPDM Diaphragm;							
-G Gold Contacts (for loads less than 12 mA @ 12 VDC);							
-RD Reduced Differential (50% reduction typical); -IP Ingress Protection ⁶ ;							
-OXY Oxygen Cleaned; -WF Weather Pack Connector, Female;							
-WM Weather Pack Connector, Male; -DE Deutsch Connector, Male, DT04 Series							
6. Fixed Set Point (optional)							
A. Specify set point -FS (in Inches Hg or mBAR, see example) ⁷							
B. Set Point Actuation							
R on Rising Vacuum; F on Falling Vacuum							
Example: -FS300MBARF for 300 mBAR Falling or -FS10INHGR for 10" Hg Rising							

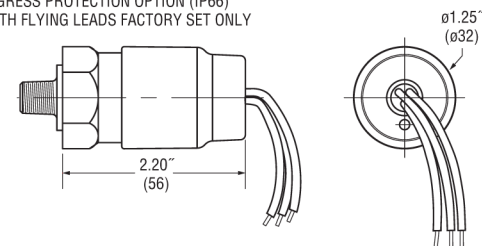


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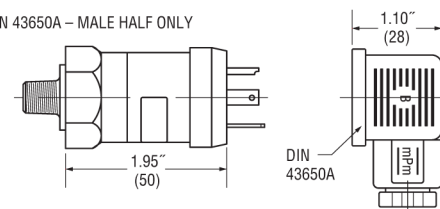
Dimensions



INGRESS PROTECTION OPTION (IP66)
WITH FLYING LEADS FACTORY SET ONLY



DIN 43650A – MALE HALF ONLY



Pressure Range Table

Pressure Range Code	Pressure Range	Average Dead Band
10	5-15" Hg (169.3-508.0 mbar)	3-5" Hg (100-150 mbar)
20	12-28" Hg (406.4-948.2 mbar)	3-9" Hg (100-270 mbar)

Notes:

- Other connectors available. Consult factory.
- 18" is standard. Specify lead length in inches (max. 48").
e.g. -FL18 or -FLS30.
- 18" is standard. Specify cable length in inches (max. 48").
e.g. -EL18 or -EL30.
- 36" is minimum. Specify cable length in inches.
e.g. -CAB36 or -CAB120.
- DIN connectors require -C SPDT circuit.
- Ingress Protection is available only with -FL, -FLS or -CAB
Electrical Termination choices.
Ingress Protection requires Fixed Set Point -FS.
- Set Point must be within Pressure Range selected in Step 1 above.

VUOTOSTATO REGOLABILE SUBMINIATURA SERIE VS

Campo di lavoro -200...-900 mbar

Adjustable vacuum switches VS series

Adjustment ranges -200 to -900 mbar

IMPIEGO

I vuotostati regolabili a membrana serie VS con campo di lavoro da -200 mbar a -900 mbar, sono disponibili con contatti in scambio SPDT da 6(2)A / 250Vac nella versione standard e 30mA / 30Vdc nella versione con contatti dorati. I vuotostati serie VS vengono forniti con differenziale fisso pari a ~15% del valore d'intervento e sono realizzati con corpo esagonale Ch24 in acciaio tropicalizzato, acciaio inox AISI 303 o AISI316 secondo richiesta. I vuotostati VS vengono normalmente impiegati come segnalatori di vuoto negli impianti chimici, farmaceutici, alimentari, pneumatici e oleodinamici. Agendo sulla vite di regolazione, posta nella torretta portacontatti, è possibile regolare il valore d'intervento del vuotostato.

Su richiesta del Cliente vengono forniti vuotostati già tarati al valore di vuoto desiderato.

DATI TECNICI

Portata contatti	6(2)A / 250Vca
Portata contatti	2(1)A / 24Vcc
Portata max contatti dorati	30mA / 30Vcc
Isolamento interruttore	Gr. C secondo VDE 0110
Isteresi max	100 mbar
Campo di temperatura	-30°C...+140°C (in funzione della membrana)
Protezione senza cappuccio	IP00
Protezione con CAP13	IP65
Protezione con CAP16	IP54
Max interventi a 25°C	120/1'
Vita meccanica	10 ⁶ cicli
Coppia di serraggio max	5 Kgm
Coppia di serraggio CAP13	0.5 Kgm

MATERIALI

Corpo Ch 24	Vedi tabella
Contatti elettrici argentati	Ag. CdO
Cappuccio CAP13	Nylon nero (-10°C...+110°C)
Castelletto portacontatti	Pocan

SPIEGAZIONE DELLE SIGLE DI ORDINAZIONE

VS	Vuotostato in esecuzione a membrana	
Campo di lavoro		
VS 1	-200...-500 mbar	
VS 2	-500...-900 mbar	
Contatto		
SC	Contatti in scambio SPDT	
Materiale corpo Ch24		
-	Esecuzione standard in acciaio tropicalizzato	
I	Esecuzione in acciaio inox AISI 303	
W	Esecuzione in acciaio inox AISI 316	
Membrana standard		
-	NBR	-5°C...+90°C
Membrane speciali a richiesta		
NT	HNBR	-25°C...+140°C
V	FKM	-5°C...+90°C
S	Silicone rosso	-30°C...+120°C
Filettature standard		
	Quota "A"	Quota "B"
R18	G 1/8" cilindrico	10
R14	G 1/4" cilindrico	12
Taratura		
T ...	Vuotostati con taratura in salita al valore richiesto (es. T500 taratura in salita a -500 mbar)	
T ...D	Vuotostati con taratura in discesa al valore richiesto (es. T750D taratura in discesa a -750 mbar)	
Esecuzioni speciali		
G	Contatti dorati per bassa corrente ≤30mA	

USE

VS vacuum switches, diaphragm execution, have been designed with adjustment ranges -200 mbar to -900 mbar and SPDT contacts standard rated at 6(2)A / 250Vac or 30mA / 30Vdc if gold-plated contacts are required. VS vacuum switches are supplied with a fixed hysteresis equivalent to about 15% of set-point adjustment, and are available with the 24AF hexagonal body in tropicalized steel, 303 or 316 stainless steel according to application requirements. Diaphragm VS vacuum switches are particularly suitable to monitor vacuum in chemical and pharmaceutical plants, food processing, pneumatics and hydraulics.

Using the adjusting screw housed in the switch housing, it is possible to set the vacuum switch at the required value.

On customer's request, vacuum switches factory-set to a specific value can be supplied.

SPECIFICATIONS

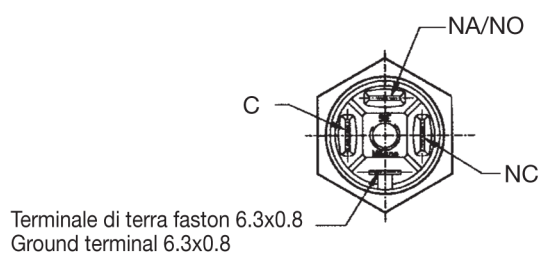
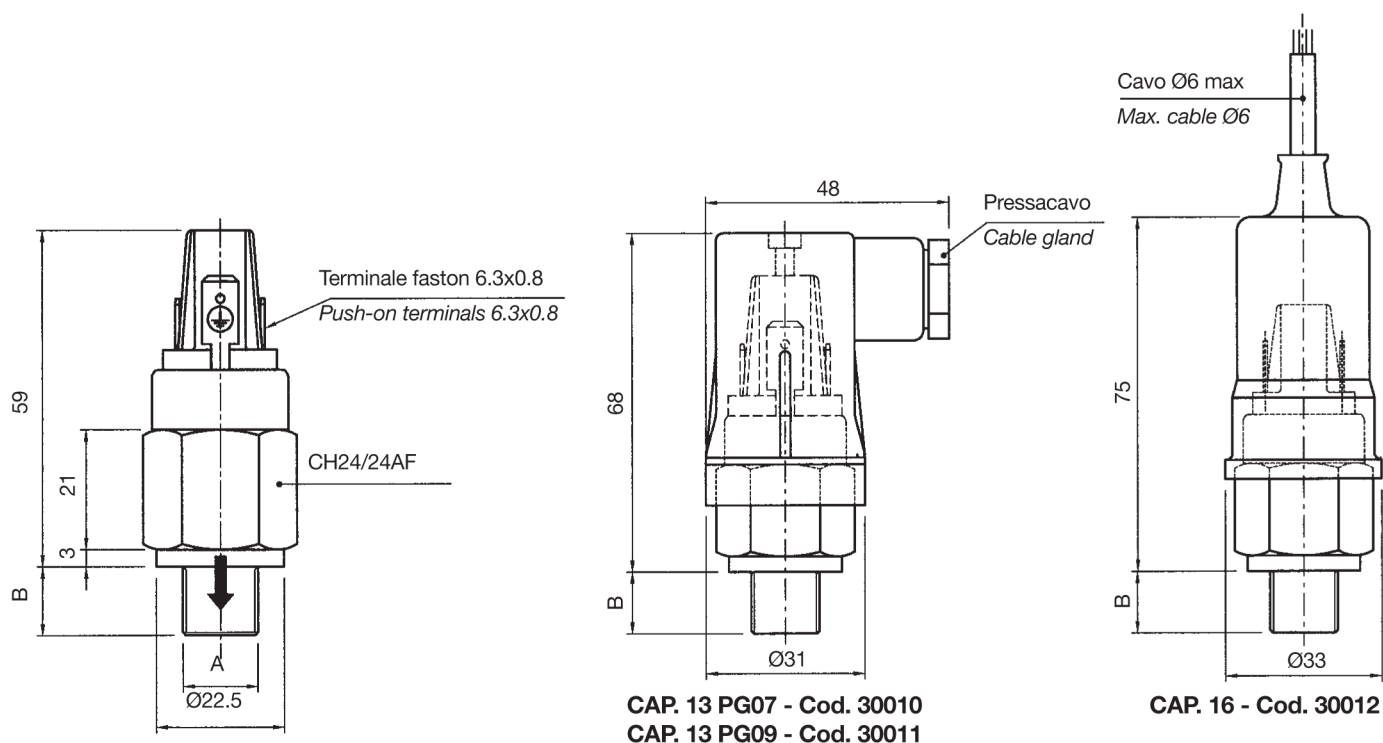
Switch rating	6(2)A / 250Vac
Switch rating	2(1)A / 24Vdc
Max rating – gold contacts	30mA / 30Vdc
Switch insulation	C according to VDE 0110
Hysteresis	max 100 mbar
Temperature range	-30°C to +140°C (according to diaphragm material)
Protection terminals	IP00
Protection with CAP13	IP65
Protection with CAP16	IP54
Max. cycle rate at 25°C	120/min
Mechanical life	10 ⁶ operations
Tightening torque	5 Kgm
CAP13 tightening torque	0.5 Kgm

MATERIALS

Body 24AF	See reference table
Silver-plated contacts	Ag. CdO
CAP13	Black Nylon (-10°C to +110°C)
Switch housing	Pocan

ORDERING INFORMATION

VS	Diaphragm vacuum switch	
Adjustment range		
VS 1	-200 to -500 mbar	
VS 2	-500 to -900 mbar	
Contact		
SC	SPDT C/O contact	
24AF Body		
-	Tropicalized steel – standard execution	
I	AISI 303 stainless steel	
W	AISI 316 stainless steel	
Standard diaphragm		
-	NBR	-5°C to +90°C
Diaphragm on request		
NT	HNBR	-25°C to +140°C
V	FKM	-5°C to +90°C
S	Red silicone	-30°C to +120°C
Standard threads		
	“A” reference	“B” reference
R18	G 1/8” parallel	10
R14	G 1/4” parallel	12
Setting		
T ...	Set up rising to the required value (ex. T500 rising set-point adjustment at -500 mbar)	
T ...D	Set up falling to the required value (ex. T750D falling set-point adjustment at -750 mbar)	
Options		
G	Gold-plated contacts for low current applications ≤30mA	



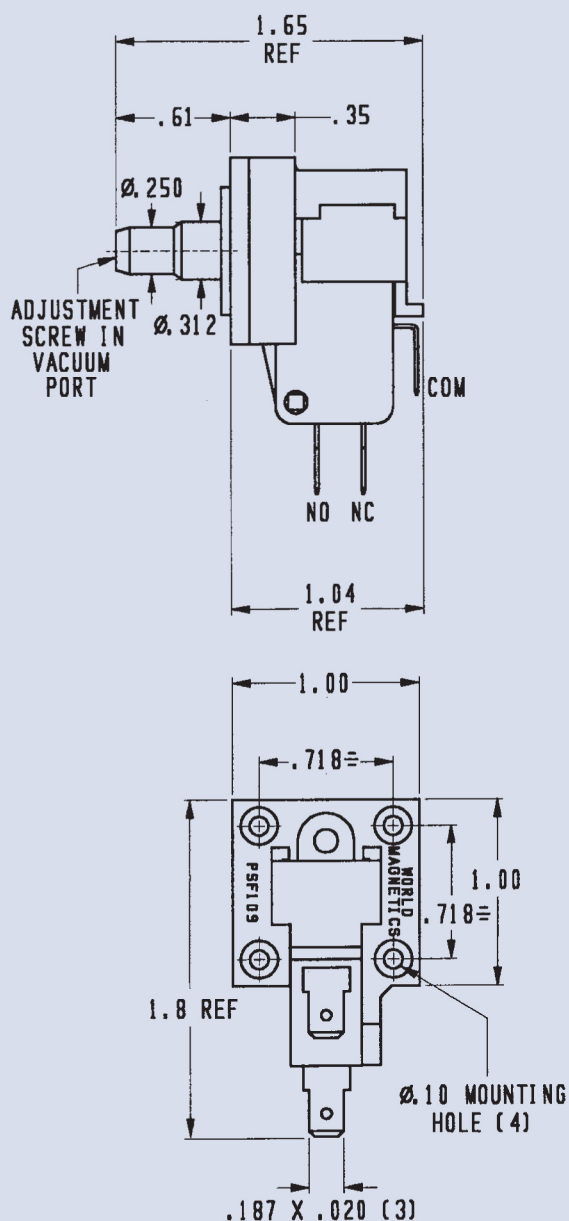
C = Comune / Common
NC = Normalmente Chiuso / Normally Closed
NA/NO = Normalmente Aperto / Normally Open

CARATTERISTICHE GENERALI / GENERAL SPECIFICATIONS

Tipo Model	Campo di lavoro Adjustment range (mbar)	Max. pressione statica supportabile (bar) Max. static pressure (bar)			Differenziale fisso max a 25 °C Fixed hysteresis at 25 °C	Tolleranza d'intervento a 25°C Tolerance at 25°C	Esecuzione Execution
		Esec. standard corpo acciaio tropicalizzato Tropicalized steel - standard execution	Esec. corpo Acc. Inox AISI 303 AISI 303 stainless steel body execution	Esec. corpo Acc. Inox AISI 303 AISI 303 stainless steel body execution	(mbar)	(mbar)	
VS 1	-200 / -500	20	20	20	100	±50	Membrana Diaphragm
VS 2	-500 / -900	20	20	20	100	±50	

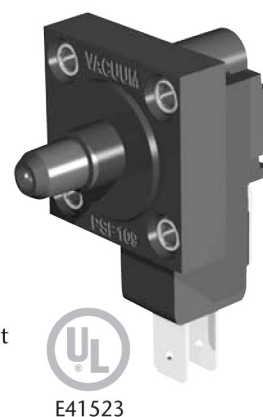
ULTRA SENSITIVE PRESSURE SWITCHES

PSF109S Series *vacuum switch • high current*



FEATURES

- Vacuum switch with Hysteresis (deadband) for motor control
- Field adjustable vacuum set point, from 3" H₂O to 12 PSI
- Snap action basic switch, up to 25 A, 125/250 VAC
- .250" diameter or 1/8" NPT vacuum port
- Small size and lightweight



E41523

SPECIFICATIONS

MECHANICAL	
Standard Tolerance	±20% Tighter tolerances available
Switch Type	SPDT normally open, or normally closed
Switching Medium	Air or compatible fluids
Mechanical Life	More than 10 million cycles
Operating Temp.	+40°F to +150°F (standard) -46°F to +205°F (consult factory)
PHYSICAL	
Mounting	Use #2 screws thru eyelets
Case Material	Polycarbonate standard
Contact Material	Silver (Gold available on special order)
Diaphragm Material	Polyurethane standard (Teflon® optional)
Electrical Connections	Terminals – .187"x .020" tab-type for use with AMP 2-520182-2 or equivalent
ELECTRICAL	
Contact Rating	See rating chart

For Hysteresis chart see page 8

STANDARD MODELS

VACUUM SET POINT AND ELECTRICAL RATING						
Part Number	Description	Port Style	(-) In. H ₂ O	(-) mbar	(-) PSI	Electrical Rating
20161	PSF109S-3-8	.250" dia.	3 to 8	8 to 20	0.1 to 0.3	3 A, 125/250 VAC
20901	PSF109S-NPT-3-8	1/8" NPT	3 to 8	8 to 20	0.1 to 0.3	3 A, 125/250 VAC
20112	PSF109S-9-80	.250" dia.	9 to 80	21 to 199	0.3 to 2.9	10 A, 125/250 VAC
20890	PSF109S-NPT-9-80	1/8" NPT	9 to 80	21 to 199	0.3 to 2.9	10 A, 125/250 VAC
20623	PSF109S-81-330	.250" dia.	81 to 330	200 to 822	2.9 to 11.9	15 A, 125/250 VAC
20897	PSF109S-NPT-81-330	1/8" NPT	81 to 330	200 to 822	2.9 to 11.9	15 A, 125/250 VAC

OVERVIEW

Larger diameter diaphragm and conventional snap action switches

Available in vacuum, pressure or differential models

Multi-barb port connections standard

Bleed holes and various mounting configurations available on all models

Factory calibrated to customer's specification 0.05" H₂O to 5.0" H₂O

Multiple contact materials including gold for low current and silver for higher amperage applications

Different size electrical terminations available within same unit

Tested over hundreds of thousands of cycles exceeding UL-508 and UL-353 requirements

Compared to other switches in the field, the new Goldtech series is slightly larger in diameter and uses a conventional snap action switch as its main switching element; a clear indication of reliability and dependability. Available in pressure, vacuum, or differential models with standard multi-barb port connections, orifices, bleed holes, and various mounting configurations. These units are factory calibrated to specific customer requirements from 0.05" H₂O to 5.0" H₂O. Field adjustable models available from .2" H₂O to 5.0" H₂O.



The piggy-back design allows the use of different snap-acting switches, for example switches with gold contacts are used for today's demanding low-energy circuits in electronic control boards and switches with silver alloy contacts are used for high amperage applications when the switch is used as the direct load switching member. We also have the ability to offer different size electrical terminations within the same unit, a valuable safety feature that prevents field technicians from incorrectly wiring the switch during routine service calls.

These units have undergone rigorous testing for hundreds of thousands of cycles, exceeding UL-508 Industrial Controls and UL-353 Pilot Duty requirements.

SPECIFICATIONS

Body: Noryl (PPO)

Diaphragm: Post-Cured Silicon

Terminals: .035 x .250 or .02 x .187

Contacts: Various Silver Alloys and Gold

Electrical Rating:

5A 125/250 VAC Standard

3A 125/250 AC 1/10 HP 125/250 VAC, .01A 125/250 VAC

Gold (Resistive Load) (UL 1054, EN 61058)

UL/VDE Approved MH29861

Related Standards: UL 353, UL 508, BS EN 1854: 1997

Contact Form: SPDT, SPST-NO, SPST-NC

Operating Temperature: -40 to 185 F

Operating Pressure: 0.05"H₂O to 5.0" H₂O

Proof Pressure: 1.0 PSI

Burst Pressure: 3.5 PSI

Port Connections: Multi-barb .250 in. and .375 in.

Note: Always mount with diaphragm in vertical position unless specified otherwise.