



## Fixed Setpoint Design IP67 Integral Deutsch 2- and 3-Pin



### DESCRIPTION

IP67 Integral Deutsch connector for maximum environmental protection.

Equipped with either a 2- or 3-pin Deutsch connector and compliant with IP67 standards, our 784 pressure switch is a miniature piston-operated factory set design for applications with limited installation space. This unique model thrives in tough environments containing oil, fuel, water, dust, vibration or shock.

### FEATURES

- Fixed pressure
- Piston
- 8-6000psig range
- IP67 compliant
- Integral pressure port snubbing
- UL Listed
- NEMA Type 4 rating

### APPLICATIONS

- Off road equipment
- Industrial OEM equipment
- Train braking systems
- Packaging equipment
- Compactors
- Compressors

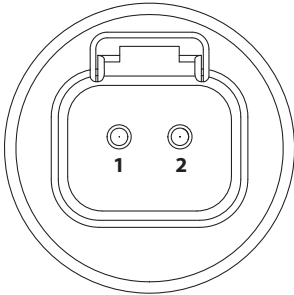
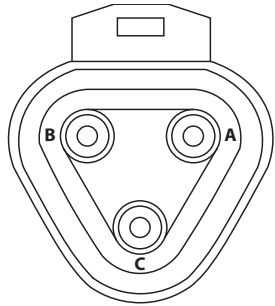
### STANDARD SPECIFICATIONS

Pressure Connection	Electrical	Electrical Connection	Seal Materials	Materials	Temperature Range	Shipping Weight
1/4"-18 NPT	Snap-action Electrical Switch Listed by UL and CSA	Single Pole Double Throw (SPDT)	Nitrile (Buna-N) "O"- Ring	Hydraulic Module Housing 303 Stainless Steel	-40°F to + 250°F	Approximately 3 oz
1/8"-27 NPT					-40°C to + 120°C	
9/16"-18 UNJF-3A	At 28 VDC: 7 Amps Resistive; 4 Amps Inductive; 2 1/2 Amps Lamp		Fluorocarbon (Viton)	Electric Module Housing Polyphenylene Sulfide (PPS)	(Temperature Range Change with "O"- Ring Seal Material Selection)	
Options Available						
Gold Contact Switches available for dry circuit applications						

### OPERATING PRESSURE DATA

Series	Range Indicator	Pressure Range		Dead Band*		Max System Pressure		Proof Pressure	
		PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
784	1	8 - 125	0.55 - 8.62	4 / 14	0.28 / 0.97	1500	103	2250	153
784	6	50 - 275	3.45 - 18.96	10 / 27	0.69 / 1.86	2400	165	3500	241
784	2	75 - 500	5.17 - 34.47	15 / 45	1.03 / 3.10	3000	207	4500	310
784	7	130 - 1000	8.96 - 68.95	20 / 95	1.38 / 6.55	3000	207	8000	552
784	3	300 - 1500	20.68 - 103.42	45 / 130	3.10 / 8.96	4500	310	6800	469
784	4	1250 - 3000	86.18 - 206.84	150 / 240	10.34 / 16.55	6500	448	10000	690
784	5	2500 - 6000	172.37 - 413.68	250 / 425	17.24 / 29.30	7500	517	12000	827

\*Interpolate for intermediate pressures

**WIRING CONFIGURATION GUIDE**


3-PIN					
	#	A	B	C	#
200 psi & Above	01	NC	G	NO	07
	02	NO	NC	G	08
	03	G	NO	NC	09
	04	NC	NO	G	10
	05	G	NC	NO	11
	06	NO	G	NC	12

2-PIN				
	#	1	2	#
200 psi & Above	21	G	NC	23
	22	NO	G	24
	37	G	NO	39
	38	NC	G	40

**NO** = Normally Open  
**NC** = Normally Closed  
**G** = Ground (Common)

**ORDERING SEQUENCE**
**Series**

- 784 - Set pressures between 8 and 6000 PSIG
- See Operating Pressure data table

**Pressure Connection**

- 6 - 9/16"-18 UNJF-3A (MS33656-E6)
- 2 - 1/4"-18 NPT (Male)
- Consult factory for metric and additional configurations

**Pressure Range Number**

- See Operating Pressure data table

**Type**

- DT - IP67 Integral Deutsch

**Electrical Wiring**

- See Wiring Configuration Guide

**Set Pressure to be Held on**

- R - Rising Pressure
- F - Falling Pressure

**Set Pressure**

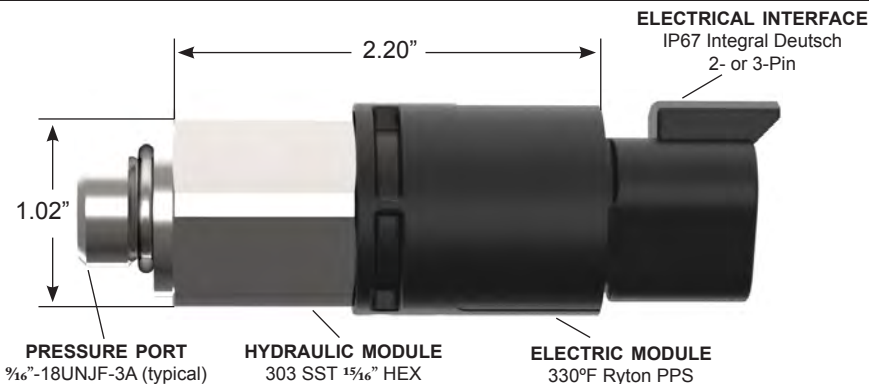
- Specify factory set pressure in 4-place PSIG (Example: 0060 for 60 PSIG)

**Seal Materials**

- T - Nitrile (BUNA-N) - Standard
- V - Fluorocarbon
- E - Ethylene Propylene
- Consult factory for other available materials

**Special Items**

- Pressure connection
- Seal materials
- Gold electrical contacts for low current applications
- Consult rep or factory for special items and configurations

**ENVELOPE DIMENSIONS**

**ORDERING PROCEDURE**

Series Number	Pressure Port	Range Indicator	Electrical Connector	Electrical Wiring	Set Pressure Held On	Set Pressure	Seal Material
784.	6	6	DT	07	F	0060	T
	6 = 9/16"-18 UNJF-3A	6 = 50-275 PSIG	DT = IP67 Integral Deutsch	07 = SPDT 3-Pins	F = Falling Pressure	60 PSIG	T-Nitrile (Buna)

\*Insert available option number or letter as required

Example: 784-66-DT07F-0060T