

**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

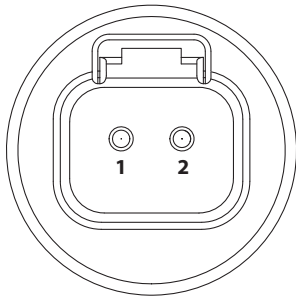
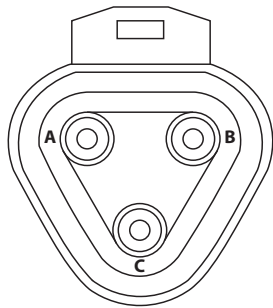
STANDARD SPECIFICATIONS

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						
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

Below 200 psi

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

Below 200 psi

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

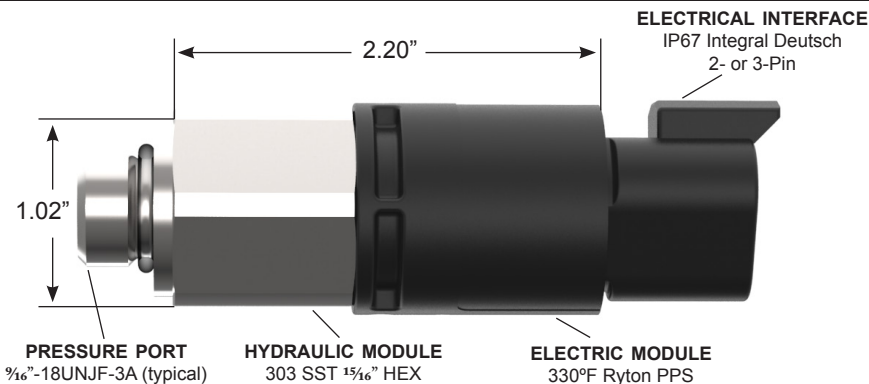
- Specify factory set pressure in 4-place PSIG (Example: 0060 for 60 PSIG)

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