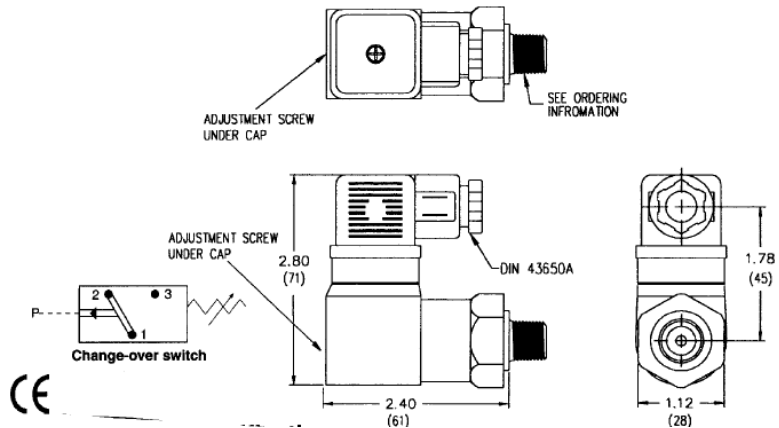


## PHDA COMPACT PRESSURE SWITCH DATA SHEET



### Model PHDA Pressure Switch

- Compact Series - Medium Pressure
- Set Point Pressures from 10-5000 PSI (0.7 to 350 Bar) Increasing Pressure
- Snap Action 5 amp Microswitch
- Overpressure to 9000 psi (600 Bar)
- NEMA 6 Enclosure (IP67)
- Field Adjustable or Factory Set

The PHDA series is a field adjustable model from 10 to 5000 psi dependant upon spring type and actuator diameter. Adjustments do not require an electrical connector. The maximum overpressure is 600 Bar (9000 psi). The standard nitrile diaphragm is compatible with a wide range of fluids as well as being ideal for pneumatic systems. Optional Viton and EPDM diaphragms are available. The 5 amp snap action micro-switch is rated for more than  $10^6$  cycles thus ensuring long life when operated at the recommended conditions.

Repeatability is  $\pm 2\%$ .

### Technical Specifications

Electrical	5 AMP - 12/24 VDC - 110/240 VAC
Protection	DIN 43650 IP65 - Flying Leads IP65 - Terminals IP00 (Flying Leads not Stocked)</
Temperature range	-40°F to +180°F (-40°C to +80°C) Ambient & Medium
Mechanical life	$2 \times 10^6$ at 70 Bar
Diaphragm material	Nitrile Standard (Optional EPDM and Viton)
Housing material	Zinc plated steel standard
Maximum overpressure	600 Bar
Repeatability	$\pm 2\%$ of full set point range at 70°F (20°C) Ambient temperature

### Stocked Adj Ranges

1	.7 / 2 Bar
2	1.5 / 5 Bar
3	4 / 20 Bar
4	17 / 70 Bar
5	70 / 210 Bar
6	170 / 350 Bar

Please Note: Stainless Steel switches have Viton or EPDM as standard options.

Stocked Thread Connections - 4G = 1/4 BSP Male<P>

Average Differential 15%



## Flow Measurement and Control Devices

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### PHDA Pressure Switches - Catalogue Number Information

The product information in this form is designed to comply with the Baccara Catalogue Standard Item Ordering Code format. If you are unsure of any aspect, please contact the Baccara office by telephone, fax or email.

### Product Specifications

Set Point	Medium Connection	Circuit	Electrical	Diaphragm Options	Visual Light	Housing Option	Electrical Contacts

Set Point	1	.7 - 2 Bar
	2	1.5 - 5 Bar
	3	4 - 20 Bar
	4	17 - 70 Bar
	5	70 - 210 Bar
	6	170 - 350 Bar
Medium Connection	2M	1/8 NPT Male
	4M	1/4 NPT Male
	4S	7/16-20 SAE Male
	4G	1/4 BSP Male
Circuit	C	3 wire SPDT
	H	DIN 43650A Male Half Only
Electrical	HC	DIN 43650A Cable Clamp
	HN	DIN 43650A 1/2" Conduit (Female)
Diaphragm Options		Nitrile (Std)
	1	Viton Diaphragm
	2	EPDM Diaphragm
Visual Light		No Light (Standard)
	11A	DIN Light NO/NC 110 VAC
	11B	DIN Light NO/NC 12 VDC
	11C	DIN Light NO/NC 24 VDC
Housing Option		Zinc Plated Steel (Standard)
	3	316SS (1/4" NPT Male Only)
Electrical Contacts		Standard
	7	Gold Electrical Contacts