

PS80

AUTOMATIC RESET PRESSURE SWITCHES

Introduction

Safe and reliable automatic reset pressure switch designed to fit to meet a broad spectrum of applications including HVAC&R, pumps and compressors by offering a wide range of pressure settings, port fittings and electrical connections. Its robust non-electric construction safely operates under high pressure conditions helping keep maintenance costs and return rates low.



Features and Benefits

- Custom Engineered Solutions
- Hermetically Sealed Sensor
- Environmentally Sealed Leads
- Flexible Set Point Range
- Fixed Set Points
- Single Pole, Single Throw
- Normally Open/Normally Closed
- Historically Proven Reliability

Applications

- Air Conditioning (R410a, R22, R134a, R407c CO² (R333a), Ammonia (R717))
- Engine Oil
- Compressors & Pumps
- Process Controls
- Automation
- Agricultural & Construction Equipment
- Vehicle Controls



Operating Pressure	0 to 750 psig (50 bar)			
Proof Pressure**	Set Point Proof Pressure <100psig 250psig (17 Bar) 100-500psig 600psig (41 bar) >500psig 800psig (55 bar)			
Burst Pressure	5000 psig (345 bar)			
Life at Rated Current	100,000 cycles			
Electrical Ratings	120/240 Vac - 6.0 FLA 36 LRA 120/277 Vac -375 VA Pilot Duty 24Vac - 125 VA Pilot Duty			
Dielectric Strength	750 Vrms Open Contacts 1550 Vrms Terminals to Fitting (Ground)			
Electrical Connection	Wire Lead Quick Connect Contact Factory for additional options			

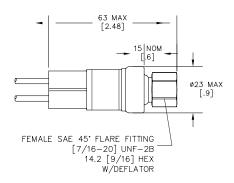


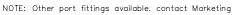
Ambient Temperature (UL Rating)	-20°F to 176°F / (-29°C to 80°C)
Fluid Temperature (UL Rating)	-65°F to 275°F (-54°C to 135°C)

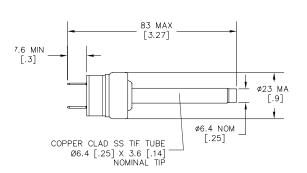
^{**} The highest pressure a switch can be exposed to without influencing the set-point. Note: Leaded devices can be exposed to moisture not for use while immersed.

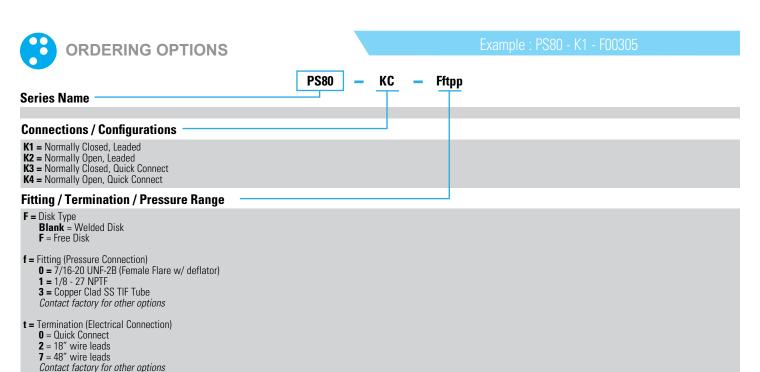


All dimensions in millimeters [inches]. (Additional configurations are available. Contact Sensata.)











pp = Pressure Range (two digits)
20 psi actuation / 5 psi release up to
750 psi actuation / 50 psi release
Contact factory for other options

Standard Configurations

Maria Namahan	Configuration	Fitting	Termination	Pressure Setting		
Item Number				Release	Actuation	Units
PS80-K1-0336	NC, Leaded	7/16-20 UNF-2B	18" Leads	150 rel	250 act	psig
PS80-K1-0341	NC, Leaded	7/16-20 UNF-2B	18" Leads	200 rel	300 act	psig
PS80-K1-0348	NC, Leaded	7/16-20 UNF-2B	18" Leads	250 rel	350 act	psig
PS80-K1-0359	NC, Leaded	7/16-20 UNF-2B	18" Leads	300 rel	400 act	psig
PS80-K1-0759	NC, Leaded	7/16-20 UNF-2B	48" Leads	300 rel	400 act	psig
PS80-K1-0764	NC, Leaded	7/16-20 UNF-2B	48" Leads	350 rel	450 act	psig
PS80-K2-F0305	NO, Leaded	7/16-20 UNF-2B	18" Leads	5 rel	20 act	psig
PS80-K2-F0307	NO, Leaded	7/16-20 UNF-2B	18" Leads	10 rel	25 act	psig
PS80-K2-F0316	NO, Leaded	7/16-20 UNF-2B	18" Leads	25 rel	50 act	psig
PS80-K2-F0718	NO, Leaded	7/16-20 UNF-2B	48" Leads	36 rel	55 act	psig



AGENCY APPROVALS AND CERTIFICATIONS



UL	File SA995 Guide SDFY2	
UL (Canada)	File SA995 Guide SDFY8	
PED EN 12263	Module B&D	
ENEC, EN60730	EN60730-1, EN60730-2-6	



RoHS Compliancy Available





HAZARD OF ELECTRIC SHOCK. EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

Failure to follow these instructions will result in death or serious injury

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