



PS80-L LOW THERMAL DRIFT

AUTOMATIC RESET PRESSURE SWITCHES

In today's demanding industrial environments, PS80 Low Thermal Drift, engineered to deliver superior performance under extreme temperature conditions while maintaining the mechanical and electrical reliability of its PS80 High Pressure Switches.

Built with advanced materials and innovative technology, this switch ensures precision and durability even in harsh thermal environments (actuation drift $\pm 2\%$), whether exposed to extreme cold or high heat. It retains the mechanical robustness and electrical efficiency that customers trust, ensuring seamless compatibility with existing systems and minimizing installation modifications.



Features and Benefits

- Low Thermal Drift
- Hermetically Sealed
- Environmentally Sealed Leads
- IP67
- ATEX-Certification in progress & ready by early 2026
- Flexible Set Point Range (High Pressure)
- Single Pole, Single Throw
- Normally Open, Normally Close
- NCKL- Certified Ignition Protected

Applications

- HVAC/R (Heat Pumps, Refrigeration)
- Engine Oil
- Compressor & Pumps
- Process Controls
- Automation
- Agricultural & Construction Equipment
- Vehicle Controls
- Data Centers
- Industrial

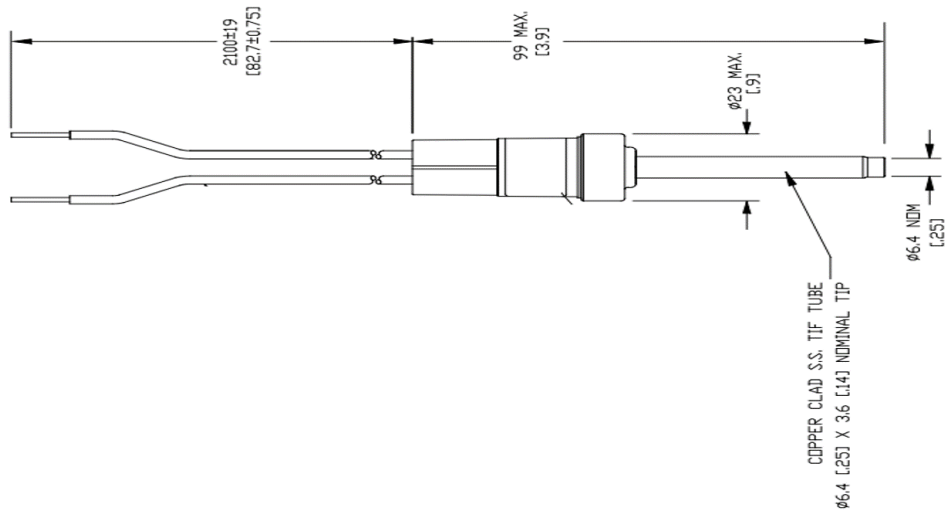
TECHNICAL SPECIFICATIONS

Operating Pressure	100 to 700 PSIG	
Proof Pressure**	Set Point 100-500 PSIG >500 PSIG	Proof Pressure 500 PSIG to 1000 PSIG 800 PSIG to 1200 PSIG
Burst Pressure	5000 PSIG	
Life at Rated Current	100,000 cycles	
Compatible Refrigerants	R410a, R22, R134a, R407c CO2 (R333a) and A2L (R32, R454A, R454B, R454C). A3 due are compatible. Please reach out for other refrigerant options	
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)	

* Proof Pressure should be according to PED cert.

DIMENSIONS

All dimensions in millimeters [inches].



ORDERING OPTIONS

Example :

	PS80	-	L	1	0001	060-040	XXX%YY
Series	_____						
PS80	_____						
B	_____						
0= Standard identifier	_____						
K= Optional identifier	_____						
1= Alternate electrical ratings	_____						
2= Alternate maximum calibration pressure	_____						
V= Alternate contact arm for N.O. contacts C, Same as 1, except for manufacturing techniques	_____						
L= Low thermal drift	_____						
C	_____						
1= Normally closed, sealed construction, wire leads	_____						
2= Normally open, sealed construction, wire leads	_____						
3= Normally closed, quick connect terminals	_____						
4= Normally open, quick connect terminals	_____						
5= Normally closed, sealed construction, wire leads, gold contacts	_____						
6= Normally open, sealed construction, wire leads, gold contacts	_____						
7= Normally closed, quick connect terminals, gold contact	_____						
8= Normally open, quick connect terminals, gold contact	_____						
D	_____						
Four digit - Production assigned number or "F" followed by a four digit production assigned number.	_____						
E	_____						
060-040 - Nominal operating pressure, not to exceed the rated pressure; Actuation pressure (three-digit number) or vacuum pressure (V and two-digit number) followed by; De-actuation pressure (three-digit number) or vacuum pressure.	_____						
F	_____						
XXX%YY - Julian Date Code 3 digits Julian Day, followed by one or two digits Plant location code, followed by 2 digits Year.	_____						

AGENCY APPROVALS AND CERTIFICATIONS



UL	File SA995 Guide SDFY2
UL (Canada)	File SA995 Guide SDFY8, UL Certification will be ready on December
PED EN 12263	Module B&D
ENEC, EN60730	EN60730-1, EN60730-2-6, ENEC certification will be ready early 2026

RoHS Compliancy Available

WARNINGS



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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