***MPS** SERIES*

MINI PRESSURE SWITCHES



(Standard range: for fluids GROUP 2 or 1 according to Directive 2014/68/EU or GROUP A1, A2L and A3 according to ANSI-ASHRAE 34-2016)
MPS are mini pressure switches with non-adjustable settings. Due to its low weight and compact size, they are usually directly installed on the refrigeration, air conditioning, heat pump systems for high-pressure, low-pressure protection or for fan control.

FEATURES

- MODELS FOR DIFFERENT APPLICATIONS: HP/LP PROTECTION, FAN CONTROL
- VARIOUS PRESSURE SETTING AND CONNECTIONS.
- ENCAPSULATED, WATER AND DUST PROTECTED WITH IP67 PROTECTION LEVEL
- SMALL SIZE AND LIGHT WEIGHT FOR DIRECT MOUNTING

GENERAL SPECIFICATION

- Applicable for all common HFC, HFO, HC refrigerants such as: R134a, R404A, R407A/F, R407C, R410A, R448A, R449A, R450A, R452A, R513A, R507A, R290, R1234ze(E), R1234yf, R447A, R452B, R454B, R454C, R455A
- Medium temperature TS min./max.: -40°C/135 °C
- Ambient temperature min./max.: -25°C / +70°C
- MWP: MPS1AL/AH 10 bar; MPS2AL/AH 50 bar
- IP67 after Installation (Lead Wire); IP65 after Installation (Tab Terminal)
- Relative humidity: 0 to 95% RH
- Installation position: Liquid, suction, and discharge line (respecting pressure and temperature limits)
- Declarations/Certification/Approvals:
  DoC acc. PED (2014/68/EU), LVD (2014/35/EU), EN60335-2-24/40/89
  CE – EN60730 (LVD), EN60335-2-24/40/89
  CE – EN12263 (PED Cat. IV)
  UL – UL60730: UL file SA44584

MINI PRESSURE SWITCHES



ELECTRICAL RATINGS

AC 120V/240V, DC 5V/12V Rated current 1A to 6A
DC 24 Rated current 1A to 4A

Application	Model	Code	Cut-out & tolerance bar	Cut-in & tolerance bar	Reset	Contact system type	Connections Solder		Connections Flare	Cable length (mm)
							6 mm	¼ inch	Female (with depressor)	
Hight pressure Cut-out	MPS2AH17	10570001901	19 ±1	15 ±1.5	Auto	SPST-NC	•			1000
	MPS2AH26	10570004101	26 ±1	20 ±1.5	Auto	SPST-NC		•		2000
	MPS2AH29	10570002401	31 ±1	24 ±1.5	Auto	SPST-NC	•			1500
	MPS2AH82[1)]	10570004801	30 ±1	25 ±1.5	Auto	SPST-NC		•		
	MPS2AH01	10570000301	41.5 +0/-1.5	32 ±2	Auto	SPST-NC		•		1000
	MPS2AH02	10570000101	45 +0/-3	34 ±2	Auto	SPST-NC		•		1000
Low pressure Cut-out	MPS1AH13	10570004201	0.3 ±0.3	1.2 ±0.3	Auto	SPST-NO	•			2000
	MPS1AH09	10570003401	0.6 ±0.5	1.8 ±0.4	Auto	SPST-NO	•			1000
	MPS1AH12	10570002501	0.7 ±0.5	1.7 ±0.4	Auto	SPST-NO	•			1500
	MPS1AL01	10570000901	1 ±0.2	1.6 ±0.2	Auto	SPST-NO			•	1000
Fan control	MPS2AL05[2)]	10570001101	9 ±0.5	12 ±0.7	Auto	SPST-NO			•	1000

Note: 1) model with tab terminals
2) with AMP 2-520263-2 connectors on electrical cables