





| Specifications                          |  |
|---|--|
| Actuation pressure / Setpoint tolerance | See detailed information below   |
| Switch type                             | Single pole, single throw, normally open (Normally closed - contact Herga)   |
| Contact voltage                         | 30 V max. AC/DC, 120 VAC Neon Lamp load  |
| Current rating                          | 40 mA max. resistive DC  |
| Contact resistance                      | 1Ω or less at 150% of actuation pressure   |
| Proof pressure                          | See detailed information below   |
| Material                                | Flame Retardant 10% Glass Filled Polycarbonate, Urethane diaphragm*<br>* Range "A" = Teflon diaphragm as standard                                |
| Mechanical life                         | 20 x 10 <sup>6</sup> cycles  |
| Temperature range                       | +4°C to +65°C, Some setpoint deviation may occur throughout the temperature range<br>For increased temperature range of -40 to +96 °C contact us |
| Approval                                | UL508 approved. File number NKPZ8.E41523   |



# HPS 500 G PRESSURE SWITCH



| Model Part Number   | Form Factor   | Pressure range                        | Setpoint tolerance        | Proof Pressure              |
|---------------------|---|---------------------------------------|---------------------------|-----------------------------|
| HPS-500-G RANGE - A | <br>Form 1   | 0.25 to 1.25 mbar [0.10" to 0.50"H2O] | ± 0.25 mbar [ ± 0.1"H2O ] | 12 mbar (5" H2O)            |
| HPS-500-G RANGE - B |   | 1.25 to 5.0 mbar [0.50" to 2.0"H2O]   | ± 0.50 mbar [ ± 0.2"H2O ] | 37 mbar (15" H2O)           |
| HPS-500-G RANGE - C |   | 5 to 25 mbar [2" to 10"H2O]           | ± 1.25 mbar [ ± 0.5"H2O ] | 174 mbar (70" H2O)          |
| HPS-500-G RANGE - D |   | 25 to 75 mbar [10" to 30"H2O]         | ± 10 %                    | 623 mbar (250" H2O)         |
| HPS-500-G RANGE - E |   | 75 to 374 mbar [30" to 150"H2O]       | ± 10 %                    | 1.4 bar (20 PSI) (550" H2O) |
| HPS-500-G RANGE - F |   | 374 to 1370 mbar [150" to 550"H2O]    | ± 10 %                    | 1.7 bar (25 PSI) (690" H2O) |
| HPS-501-G RANGE - A | <br>Form 2   | 0.25 to 1.25 mbar [0.10" to 0.50"H2O] | ± 0.25 mbar [ ± 0.1"H2O ] | 12 mbar (5" H2O)            |
| HPS-501-G RANGE - B |   | 1.25 to 5.0 mbar [0.50" to 2.0"H2O]   | ± 0.50 mbar [ ± 0.2"H2O ] | 37 mbar (15" H2O)           |
| HPS-501-G RANGE - C |   | 5 to 25 mbar [2" to 10"H2O]           | ± 1.25 mbar [ ± 0.5"H2O ] | 174 mbar (70" H2O)          |
| HPS-501-G RANGE - D |   | 25 to 75 mbar [10" to 30"H2O]         | ± 10 %                    | 623 mbar (250" H2O)         |
| HPS-501-G RANGE - E |   | 75 to 374 mbar [30" to 150"H2O]       | ± 10 %                    | 1.4 bar (20 PSI) (550" H2O) |
| HPS-501-G RANGE - F |   | 374 to 1370 mbar [150" to 550"H2O]    | ± 10 %                    | 1.7 bar (25 PSI) (690" H2O) |
| HPS-502-G RANGE - A | <br>Form 3  | 0.25 to 1.25 mbar [0.10" to 0.50"H2O] | ± 0.25 mbar [ ± 0.1"H2O ] | 12 mbar (5" H2O)            |
| HPS-502-G RANGE - B |   | 1.25 to 5.0 mbar [0.50" to 2.0"H2O]   | ± 0.50 mbar [ ± 0.2"H2O ] | 37 mbar (15" H2O)           |
| HPS-502-G RANGE - C |   | 5 to 25 mbar [2" to 10"H2O]           | ± 1.25 mbar [ ± 0.5"H2O ] | 174 mbar (70" H2O)          |
| HPS-502-G RANGE - D |   | 25 to 75 mbar [10" to 30"H2O]         | ± 10 %                    | 623 mbar (250" H2O)         |
| HPS-502-G RANGE - E |   | 75 to 374 mbar [30" to 150"H2O]       | ± 10 %                    | 1.4 bar (20 PSI) (550" H2O) |
| HPS-502-G RANGE - F |   | 374 to 1370 mbar [150" to 550"H2O]    | ± 10 %                    | 1.7 bar (25 PSI) (690" H2O) |
| HPS-503-G RANGE - A | <br>Form 4 | 0.25 to 1.25 mbar [0.10" to 0.50"H2O] | ± 0.25 mbar [ ± 0.1"H2O ] | 12 mbar (5" H2O)            |
| HPS-503-G RANGE - B |   | 1.25 to 5.0 mbar [0.50" to 2.0"H2O]   | ± 0.50 mbar [ ± 0.2"H2O ] | 37 mbar (15" H2O)           |
| HPS-503-G RANGE - C |   | 5 to 25 mbar [2" to 10"H2O]           | ± 1.25 mbar [ ± 0.5"H2O ] | 174 mbar (70" H2O)          |
| HPS-503-G RANGE - D |   | 25 to 75 mbar [10" to 30"H2O]         | ± 10 %                    | 623 mbar (250" H2O)         |
| HPS-503-G RANGE - E |   | 75 to 374 mbar [30" to 150"H2O]       | ± 10 %                    | 1.4 bar (20 PSI) (550" H2O) |
| HPS-503-G RANGE - F |   | 374 to 1370 mbar [150" to 550"H2O]    | ± 10 %                    | 1.7 bar (25 PSI) (690" H2O) |