DIFFERENTIAL PRESSURE SWITCH

GFS Series

The GFS series incorporates:

* 3 range models available
* Contains a diaphragm, a calibration knob and a snap-acting SPDT switch
* Enclosure cover guard against accidental contact
* 2 connections accept 6.35mm (0.25″)OD tubing
* accept a 12.7 mm (0.5″) conduit connection or M20 connection

PRODUCT HIGHLIGHTS

* includes hose and 2 pickup tibes
* compact size

SPECIFICATIONS

|  |  |
| --- | --- |
| SPECIFICATIONS |  |
| ADJUSTMENT RANGE | **80:** 20 to 300 Pa ( 0.08” to 1.20 “WC), Switch differ. 10 Pa (0.04 “WC)  **83:** 50 to 500 Pa (0.2” to 2.00 “WC), Switch differ. 20 Pa (0.08 “WC)  **86:** 500 to 2500 Pa (2.00” to 10.00 “WC), Switch differ. 150 Pa (0.60 “WC) |
| ADJUSTMENT KNOB MARKINGS | Scaled in Pascal and “WC |
| SWITCH TOLERANCE | SWITCH TOLERANCE ±15% |
| MAXIMUM OPERATING PRESSURE | MAXIMUM OPERATING PRESSURE 1.45 PSI (10 kPa) for all pressure ranges |
| MEDIUM | MEDIUM Air, non-combustible, and non-aggressive gases |
| TEMPERATURE RANGE | Medium and Ambient Temperature:-20 to 60°C (-4 to 140°F)  Storage Temperature: -40 to 85°C (-40 to 185°F) |
| DIAPHRAGM MATERIAL | DIAPHRAGM MATERIAL Silicone, tempered at 200°C, free of gas emissions |
| PRESSURE CONNECTIONS | 2 plastic pipe connection pieces  (P1 and P2), external diameter 6.0mm  P1 for connection to higher pressure  P2 for connection to lower pressure |
| ELECTRICAL RATING | Max. 1.0A (0.4A) / 250 Vac, 50/60 Hz  Max. 0.1A / 24 Vdc |
| ELECTRICAL CONNECTIONS | AMP flat plug 6.3mm x 0.8mm  Push-on screw terminals  Cable conduit with cable relief |
| MECHANICAL WORKING LIFE | Over 10 million switching operations |
| HOUSING MATERIALS | Switch body made of PA 6.6, cover made of PC |
| PROTECTION CATEGORY | IP54 with cover (NEMA 13) |
| WEIGHT | With cover 160g |
| INCLUDED ACCESSORIES | 2 meters of PVC hose and 2 plastic tubes  Set of 3 push-on screw terminals |
| APPROVALS | CE  ETL Approves, No. 3192203  UL508 & CSA 22.2 |