



Vaccum Switch AF27 – Type VDC:

- Snap action micro swith
- 250V / 4A
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: -0,85...-0,15bar
- Preset ex works possible
- Adjustable hysteresis
- Compact design
- E-connection DIN EN 175301-803A including socket alternative plug M12x1 or cable outlet

Order code

VDC - A - BBB - C - DE - F

| | |
|----------|---------------|
| A | Output |
| | 1 = SPDT |

| | |
|----------|---|
| D | Fluid connection material |
| | without = zinc plated steel S = stainless steel 1.4305 |

| | |
|------------|----------------------------------|
| BBB | Pressure adjustment range |
| | 000 = - 0,85...- 0,15bar |

| | |
|----------|-------------------------|
| E | Fluid connection |
| | 1 = G1/8" 3 = G1/4" |

| | | |
|-----------|-------------------------|--------------|
| C | Membrane | |
| | M = NBR | -20...+80°C |
| | T = low temperature-NBR | -40...+80°C |
| | E = EPDM | -40...+100°C |
| | F = FVMQ | -40...+100°C |
| V = Viton | 0...+100°C | |

| | |
|----------|-------------------------------------|
| F | Electrical connection |
| | 1 = DIN EN 175301-803A incl. socket |
| | 2 = plug M12x1 |
| | 5 = cable outlet |

Options

| | |
|-----------------|---|
| -0,xxbar | set point adjustment increasing or decreasing, factory preset |
| 011041 | 1,5m cable with socket M12x1 |

Order sample: VDC-1-000-E-3-1

Vacuum-Switch VDC
Output: SPDT
Adjustment range: -0,85...-0,15bar
Membrane: EPDM
Fluid connection: male G1/4" fixed
E-connection: DIN EN 175301-803A incl. socket

Technical data

| | |
|---------------------------|---|
| Construction: | snap action micro swith AF27 |
| Operating fluid: | neutral gases |
| Mechanical installation: | over fluid connection |
| Mounting position: | any |
| Max. system pressure: | 20bar |
| Repeatability: | guide value $\pm 0,05$ bar at room temperature |
| Hysteresis*: | guide value: 150...350mbar, adjustable |
| Life cycles, mech.: | $> 2 \times 10^6$ |
| Max. switching frequency: | ~ 1 Hz |
| Temperature range*: | $-40 \dots +100^\circ\text{C}$ as a function of used elastomere |
| Vibration resistance: | 10g (10 ... 2000Hz) sinus acc. to ISO 16750-3 |
| Shock resistance: | 30g, 14ms shaped sinus acc. to DIN 40046, T7 |
| Swichting element: | snap action micro swith with self cleaning pins |
| CE-mark: | acc. to EU-standards 2014/35/EU (LVD); 2011/65/EU (RoHS) |
| Protection class: | IP65 acc. to DIN EN 60529; IP67 using plug M12 or cable outlet |
| Weight: | $\sim 0,15$ kg |

* please contact the technical support for alternative or special requirements regarding hysteresis and temperature
Subject to technical alternations!

Electrical connection data – dimensions

| | DIN EN 175301-803A | | Plug M12x1 | | Cable output | |
|----------------|--------------------|--------------|--------------|--------------|---------------|--------------|
| | | | | | | |
| | | | | | | |
| | 250VAC | 24VDC | 48VAC | 24VDC | 250VAC | 24VDC |
| Ohmic load | 4A | 4A | 4A | 4A | 4A | 4A |
| Inductive load | 2A | 2A | 2A | 2A | 2A | 2A |