

## GENERAL

### PROTECTION

### AND STATUS INDICATORS

|                           | WITHOUT                                                                                | WITH                      |
|---------------------------|----------------------------------------------------------------------------------------|---------------------------|
| FLUID                     | : Air or neutral gas, filtered, lubricated or dry                                      |                           |
| PRESSURE SETTING          | : 0,5 to 10 bar (0,2 - 6 bar on request)                                               |                           |
| HYSTERESIS                | : 0,4 bar at the beginning of adjustment range<br>1 bar at the end of adjustment range |                           |
| MAX. PRESSURE (PMA)       | : 10 bar or 16 bar                                                                     |                           |
| OPERATING TEMPERATURE     | : -10°C; +60°C                                                                         | : 0°C, +60°C              |
| MAX. VOLTAGE              | : 250 V - AC/DC                                                                        | : 24 V DC                 |
| CURRENT BREAKING CAPACITY | : 5 A - 250 V resistive                                                                | : 2 A - 24 V DC resistive |
| PROTECTION DEGREE         | : IP65                                                                                 |                           |
| MOUNTING POSITIONS        | : all positions                                                                        |                           |
| MAX. SPEED                | : 60 cycles per minute                                                                 |                           |

## CONSTRUCTION

Bodies: PC (polycarbonate) / aluminium for 16 bar version

Nitrile (NBR) seals

Commutator (reversing switch) • at rest : contact 1 - 2 made  
• at work : contact 1 - 3 made

Mechanical service life: 5.10<sup>6</sup> contacts

Pressure set by set screw and lock-nut

## SPECIFICATIONS

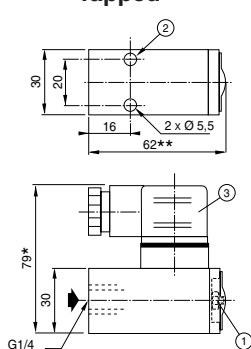
| Type | Designation                                                                                            | Pressure setting (bar)          | catalogue number<br>Without protection                | With protection           |
|------|--------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------|---------------------------|
|      | Adjustable pressure switch with side pneumatic connection, <b>tapped</b> G1/4                          | 0,2 - 6<br>0,5 - 10<br>0,5 - 16 | <b>34900015</b><br><b>34900018</b><br><b>34900021</b> | -<br><b>34900019</b><br>- |
|      | Adjustable pressure switch with <b>subbase mounted</b> pneumatic connection (version adaptable on FRL) | 0,5 - 10                        | <b>34900030</b>                                       | <b>34900031</b>           |

## DIMENSIONS AND WEIGHT

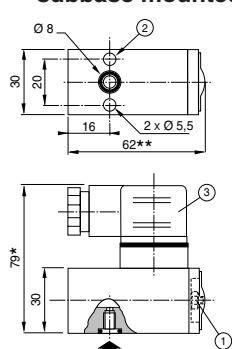
Weight: 110 g

Version **without** protection and status indicators

### Tapped



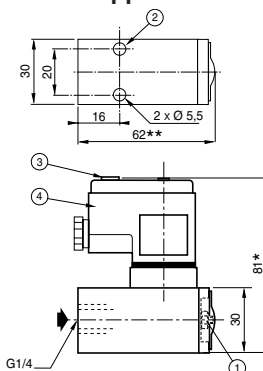
### subbase mounted



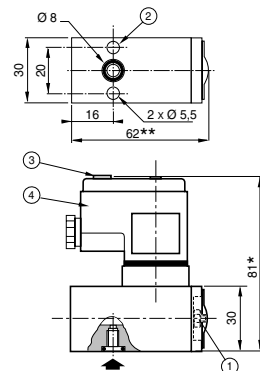
- ① Pressure set screw (spanner for hexagon nuts: 3 mm)
  - ② 2 holes Ø 5,5 for mounting
  - ③ ISO4400 size 30 connector, 4 terminals, rotatable by 90°
- \* +15 mm for connector clearance  
\* \* +2 mm for 0,5 - 16 bar version

Version **with** protection and status indicators

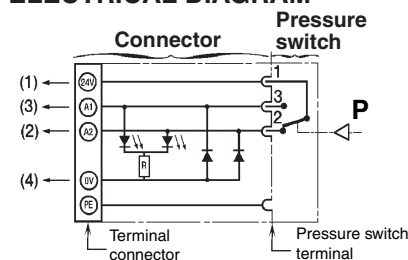
### Tapped



### subbase mounted



## ELECTRICAL DIAGRAM



### Status indicated by two diodes :

- at rest : contact 1-2 made: orange diode lights
  - at work : contact 1-3 made: red diode lights
- Terminal connection for 1,5 mm<sup>2</sup> wire  
Integrated interference blanking

- ④ ISO 4400 size 30 connector, 4 terminals (not rotatable)
- \* +15 mm for connector clearance  
\* \* +2 mm for 0,5 - 16 bar version

- ① Pressure set screw (spanner for

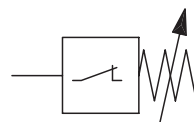
Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
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### GENERAL

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Fluid                            | Air or neutral gas, filtered, lubricated or dry |
| Maximum allowable pressure (MAP) | 16 bar                                          |
| Control range                    | 0 - 10 bar                                      |
| Fluid temperature                | -10°C to +60°C                                  |
| Max. speed                       | 60 cycles per minute                            |
| Hysteresis                       | 0,2 bar at the beginning of control range       |
| Mechanical service life          | 10 <sup>6</sup> contacts                        |
| Mounting positions               | All positions                                   |

### CONSTRUCTION

|              |                       |
|--------------|-----------------------|
| Body         | Steel                 |
| Seals        | FPM (fluoroelastomer) |
| Pressure set | By set screw          |

### ELECTRICAL CHARACTERISTICS

|                       |               |
|-----------------------|---------------|
| Max. switched voltage | 48 V DC       |
| Max. switched current | 0,5 A         |
| Electric contact      | Plated silver |

### SPECIFICATIONS

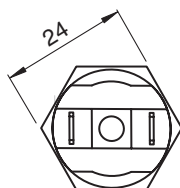
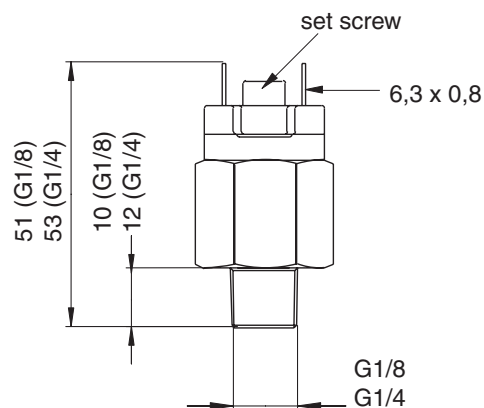
| designation                                                        |       | control range<br>(bar) | maximum allowable<br>pressure (MAP)<br>(bar) | catalogue<br>number |
|--------------------------------------------------------------------|-------|------------------------|----------------------------------------------|---------------------|
| Diaphragm pressure switch, NC, adjustable,<br>pneumatic connection | G 1/8 | 1 - 10                 | 16                                           | 34900048            |
|                                                                    | G 1/4 |                        |                                              | 34900049            |

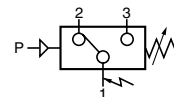


### DIMENSIONS (mm), WEIGHT (kg)



| weight |
|--------|
| 0,065  |





### GENERAL

|                       |                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| FLUID                 | : air or neutral gas, filtered, not lubricated, free of condensate                                                              |
| CONNECTION            | : G1/8                                                                                                                          |
| PRESSURE RANGE        | : 0 to 10 bar                                                                                                                   |
| MAX. OVERPRESSURE     | : 15 bar                                                                                                                        |
| OPERATING TEMPERATURE | : 0°C, +50°C (storage: -20°C, +60°C)                                                                                            |
| ELECTRICAL CONNECTION | : 4-pin M8 connector                                                                                                            |
| SUPPLY VOLTAGE        | : 12 to 24 volts, max. ripple 10%, reverse voltage protection                                                                   |
| CONSUMPTION           | : < 55mA                                                                                                                        |
| VOLTAGE SPIKE         | : 350 V Peak, 1µs                                                                                                               |
| ACCURACY              | : +/- 200 mbar (2% of full range)                                                                                               |
| DIGITAL DISPLAY       | : 3-digit - 7 segments - display frequency : 5 Hz                                                                               |
| UNITS OF MEASURE      | : bar - psi - MPa - kgf/cm <sup>2</sup>                                                                                         |
| OUTPUTS               | : 2 PNP outputs selectable NO or NC,<br>max. load current 80 mA,<br>30 V, with overcurrent protection, status indication by LED |

### 2 OUTPUT MODES

|                      |                                      |
|----------------------|--------------------------------------|
| RESPONSE TIME        | : < 2,5 ms - 24 ms - 192 ms - 768 ms |
| PROTECTION DEGREE    | : IP65                               |
| VIBRATION RESISTANCE | : 10 to 55 Hz, 1.5 mm, XYZ, 2 hours  |
| SHOCK RESISTANCE     | : 980 m/s <sup>2</sup> (100G), XYZ   |

### CHARACTERISTICS

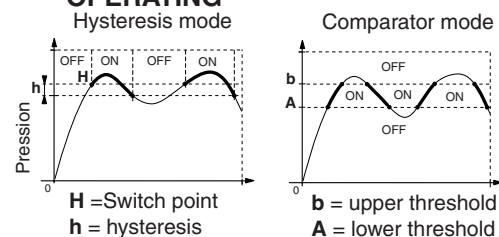
Recording of peak value and bottom value  
Lockout feature

### CONSTRUCTION

Polycarbonate body (PC)  
NBR (nitrile) sealings



### OPERATING



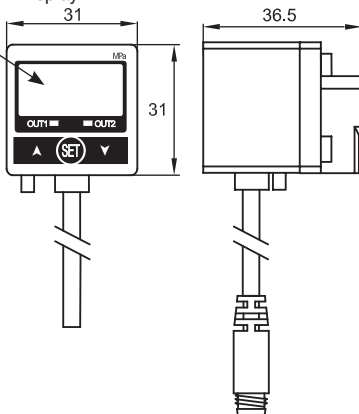
### SPECIFICATIONS

| description                                                                                                                                     | catalogue number |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| electronic pressure switch with digital display adjustable from 0 to 10 bar, pneumatic connection G1/8 (delivered with 2 brackets, 1 plug G1/8) | 34900050         |
| panel mounting kit for electronic pressure switch                                                                                               | 88100967         |
| straight female connector Ø M8, 4 wires, IP65, with 5 m PVC lead (other end plain)                                                              | 88157771         |

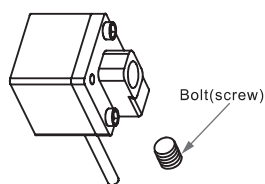
### DIMENSIONS AND WEIGHT

Weight: 105 g

3 1/2" digit LED Display



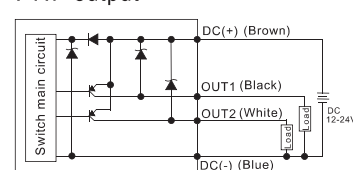
2 inlet pressure ports G1/8



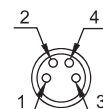
### ELECTRICAL DIAGRAM

Pressure switch User connection

PNP output



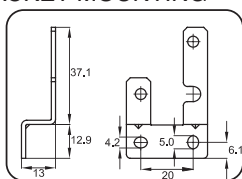
### ELECTRICAL CONNECTION



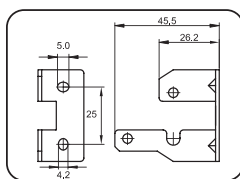
- 1 = brown (V +)
- 2 = white (output 2)
- 3 = blue (V -)
- 4 = black (output 1)

### ACCESSORIES

#### BRACKET MOUNTING

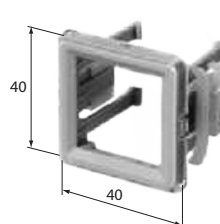


Bracket for vertical mounting

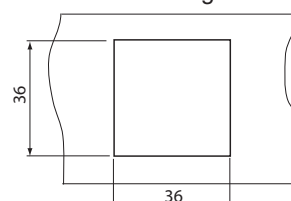


Bracket for horizontal mounting

#### PANEL MOUNTING KIT



Housing



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