## Pressure ranges from 0... 1 bar to 0... 25 bar



## Design

The principle features of these pressure switches are their high longterm stability as well as their sturdy and compact construction.

Wetted parts are made of stainless steel. There are no internal sealing materials which could limit the choice of the pressure mediums. The compact case is made of stainless steel and provides IP 65 rating as standard.

Power supply of the pressure switch is by means of nonstabilized DC 10... 30 V . Two switching points are available.
The configuration of the switching outputs is factory adjusted according to their switching mode (NO or NC). The switching outputs and switching hysteresis (mode of
connection PNP) are in accordance with the requirements of the customer.

Adjustment of the switching points by unauthorised persons is not possible. Any misadjustment is excluded even under the most extreme shock and vibration strains. This is achieved by completely eliminating adjustable components like potentiometers, hand-actuated auxiliary switches etc.

Electric connection of the pressure switch is made by means of an EaseOn-plug or a DIN 43 650-plug.

## Advantages / Benefits

Easy LINK for direct connection to Burkert control valves

High shock and vibration resistance

- Wetted parts out of stainless steel no internal seal
- No moving parts
- Enhanced EMI
- 2 switching points closing or opening

Accuracy $<\mathbf{1 \%}$
Repeatability <0.25\%

## Application

Monitoring of pumps, filters, compressors, engines, hydraulic and pneumatic control system

Controlling and monitoring Steam

Filtration systems for food and pharma

Purification systems
Water preparation systems
Automation control


## Dimensions [in mm]

Version 4-pin-plug DIN 43650


## Pressure connections

G $1 / 2$ B
NPT ½


Electrical connection

2-wire system (DIN 43650 plug / EaseOn)

(PNP/PNP)

## Version EaseOn-plug



## Socket for pressure connections

G $1 / 2 \mathrm{~A}$
NPT ${ }^{1 / 2}$


## Ordering instructions for the switching outputs

## Type 8310 with G1²

| Measuring ranges [bar] | Item-No. |  | Measuring ranges [bar] | $\mathbf{I t e m - N o .}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Process connection |  |  | Process connection |  |
|  | EaseOn-plug* | DIN 43650 |  | EaseOn-plug* | DIN 43650 |
| 0-0.25 | 429930 Y | 429908 F | 0-0.25 | 429941 X | 429919 Z |
| $0-0.40$ | 429931 M | 429909 G | $0-0.40$ | 429942 Y | 429920 W |
| 0 - 0.60 | 429932 N | 429910 U | $0-0.60$ | 429943 Z | 429921 K |
| 0-1.00 | 429933 P | 429911 R | 0-1.00 | 429944 S | 429922 L |
| 0-1.60 | 429934 Q | 429912 J | 0 - 1.60 | 429945 T | 429923 M |
| 0-2.50 | 429935 R | 429913 K | 0-2.50 | 429946 U | 429924 N |
| $0-4.00$ | 429936 J | 429914 L | $0-4.00$ | 429947 V | 429925 P |
| 0-6.00 | 429937 K | 429915 M | 0-6.00 | 429948 E | 429926 Q |
| 0-10.00 | 429938 U | 429916 N | 0-10.00 | 429949 F | 429927 R |
| 0-16.00 | 429939 V | 429917 P | 0-16.00 | 429950 C | 429928 S |
| 0-25.00 | 429940 A | 429918 Y | 0-25.00 | 429951 Z | 429929 T |
| *on request \| | *on request |  |  |  |  |  |



Please order per Item-No. and add a copy to your order:
Type 8310 with $1 / 2$ NPT

Item-No. $\qquad$ Quantity: $\qquad$ $\begin{array}{lrl} & \text { Yes } & \text { No } \\ \text { Switching point } 1 & \square \quad \square\end{array}$

Normally open Normally closed


Pressure value [bar] $\qquad$ (Switch ON)
Pressure value [bar] $\qquad$ (Switch OFF)

## Switching point 2



Normally open
Normally closed


Pressure value [bar] $\qquad$ Pressure value [bar] $\qquad$
(S witch ON) (S witch OFF)

