



## Description

DS3 Series Pressure Switch opens and closes electrical circuit depends on pressure increase or decrease. Working pressure is adjustable between 0,1 bar and 400 bar. System has adjustable feature while system is working. They can be used under all compressed air, liquids or gases.

- Compact and economic design
- NA/NC, Socket and fast-on connection options.
- Reproducibility of pressure switch in %3
- NBR, HNBR, VITON seal equipment.
- Body material stainless steel, brass, steel options.

## Applications

- Hydraulic and mobile hydraulic
- Pneumatics
- Heavy Duty
- All compressed air, liquids or gases.

## Technical Features

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| Mechanical Connection                 | : G1/4" , G1/8" , 1/4" BSPT , 1/8" BSPT , M10x1,0 , M12 x 1,5 , 1/8" NPT , 1/4" NPT |
| Reproducibility                       | : Within 1% of set pressure                                                         |
| Working Temperature                   | : -40 °C...+90 °C                                                                   |
| ( DIN EN 60068-2-27)                  | : 20 g ( Test Time 30 min )                                                         |
| Shock Test ( DIN EN 60068-2-27:1993 ) | : 30 g                                                                              |
| Working Cycle                         | : 5 000 000 Cycle                                                                   |
| Viscosity                             | : Between 10 ... 800 mm2/sec                                                        |

### Notes

These values are maximum values and they can not be used at the same me.

When you need to use the pressure switch in aggressive chemicals or fluids please contact with us.

You must stict to rules of clearence standarts Hydraulic oils (fluids). Use filteraon to blocking system errors. It is effecve for long working life of pressure switches. Please avoid using out of indicated values to have a long service from pressure switch

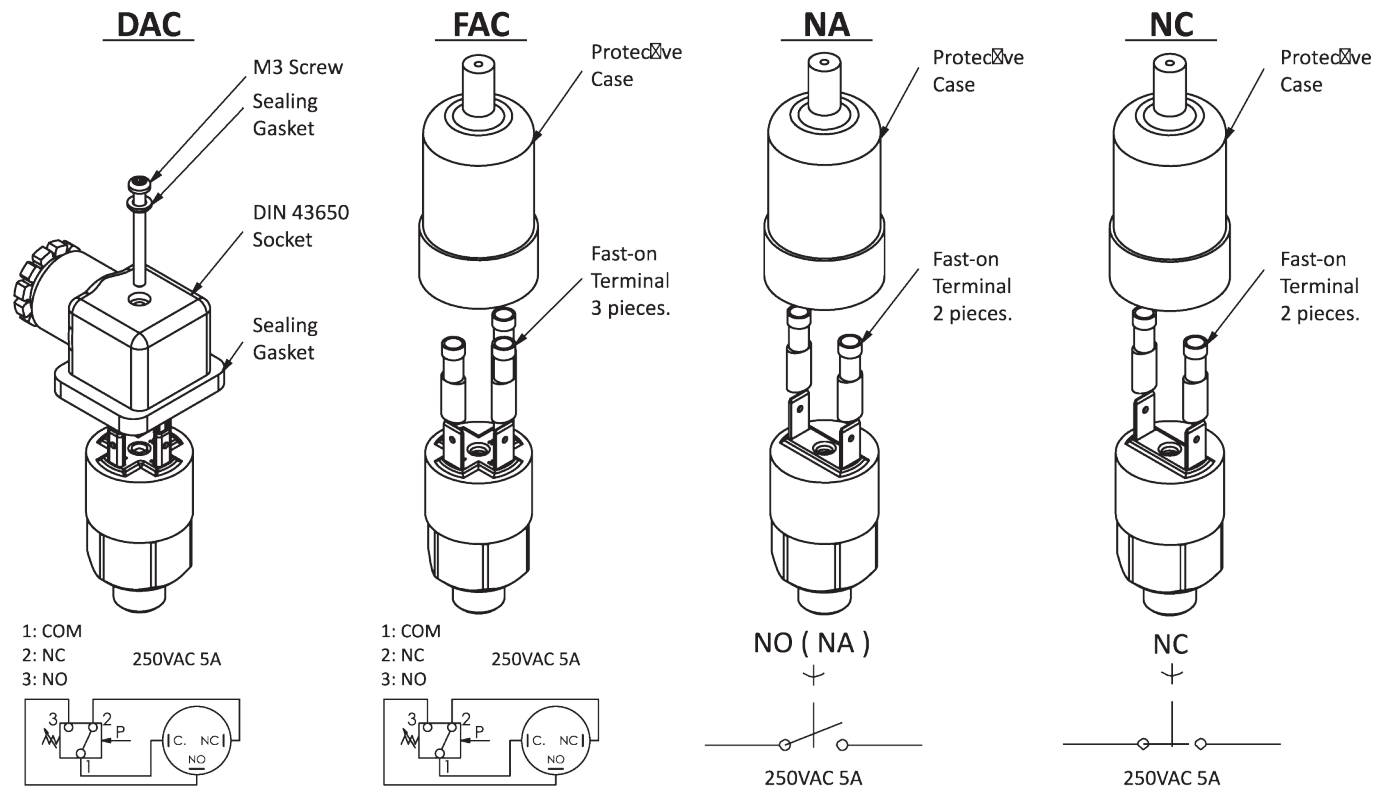
## Order Codes

| Model                        | Body                                                                                | Leakageproof Type                                                      | Mechanic Connection Type | Electrical Connection Type                                    | Pressure   |                      |                  | Set Pressure                                                                   | Pressure Conditions                                                   |
|------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------|------------|----------------------|------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|                              |                                                                                     |                                                                        |                          |                                                               | Code       | Pressure Range (bar) | P <sub>max</sub> |                                                                                |                                                                       |
| DS3<br>Model Pressure Switch | <b>Y</b><br>Brass<br>"MS58"                                                         | <b>V</b><br>VITON<br><b>E</b><br>EPDM                                  | <b>A3</b><br>G1/4"       | <b>NA</b><br>NO (NA)<br>It is delivered with Fast-on terminal |            |                      |                  |                                                                                |                                                                       |
|                              | <b>Z</b><br>Stainless<br>"316 L"                                                    | <b>H</b><br>HNBR                                                       | <b>A4</b><br>G1/8"       | <b>NC</b><br>NC (NK)<br>It is delivered with Fast-on terminal |            |                      |                  |                                                                                |                                                                       |
|                              |                                                                                     |                                                                        | <b>S3</b><br>1/4" BSPT   | <b>FAC</b><br>NO/NC<br>It is delivered with Fast-on terminal  | <b>002</b> | 0,2 ... 2            | 40 bar           | If you need a product that adjusted before, you can write pressure value here. | <b>D</b><br>Dropping set pressure<br><b>Y</b><br>Rising set pressure  |
|                              |                                                                                     |                                                                        | <b>S4</b><br>1/8" BSPT   | <b>DAC</b><br>NO/NC<br>It is delivered with DIN 43650 Soket   | <b>012</b> | 1 ... 12             | 40 bar           |                                                                                |                                                                       |
|                              |                                                                                     |                                                                        | <b>B1</b><br>M10 x1,0    |                                                               | <b>050</b> | 5 ... 50             | 600 bar          |                                                                                |                                                                       |
|                              |                                                                                     |                                                                        | <b>B3</b><br>M12x1,5     |                                                               | <b>100</b> | 5 ... 100            | 600 bar          |                                                                                |                                                                       |
|                              |                                                                                     |                                                                        | <b>N3</b><br>1/8"NPT     |                                                               | <b>200</b> | 20 ... 200           | 600 bar          |                                                                                |                                                                       |
|                              |                                                                                     |                                                                        | <b>N4</b><br>1/4"NPT     |                                                               | <b>400</b> | 50 ... 400           | 600 bar          |                                                                                |                                                                       |
|                              | If you do not indicate any body type, It is delivered as zinc-plated stainless body | If you do not indicate any leakageproof type, It is delivered as "NBR" |                          |                                                               |            |                      |                  |                                                                                | If you indicated set pressure please indicate the pressure conditions |

### Note:

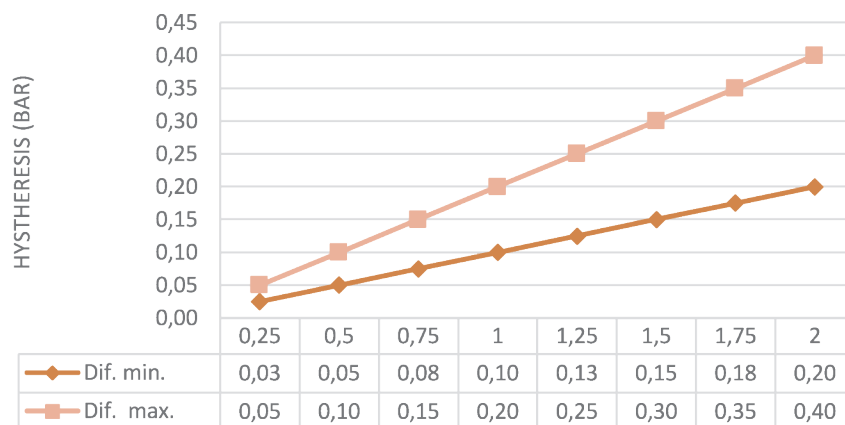
Minimum order pieces of all product which is beginning with DS3 A3 ... codes. Order pieces must be 10 and multiples of 10.

## Electrical Connection Types

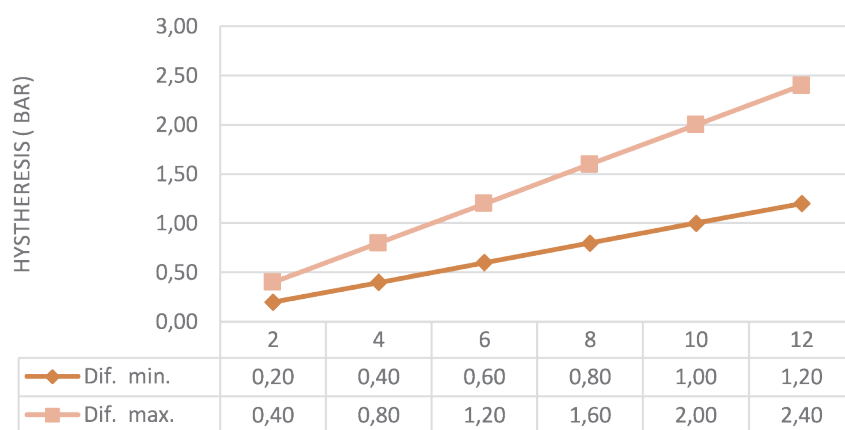


## Pressure Differential Difference Graphics

Working Pressure : Adjustable between 0,2 bar ..... 2 bar  
System pressure Max. ( Pmax ) : 40 bar  
Type : Diaphragm

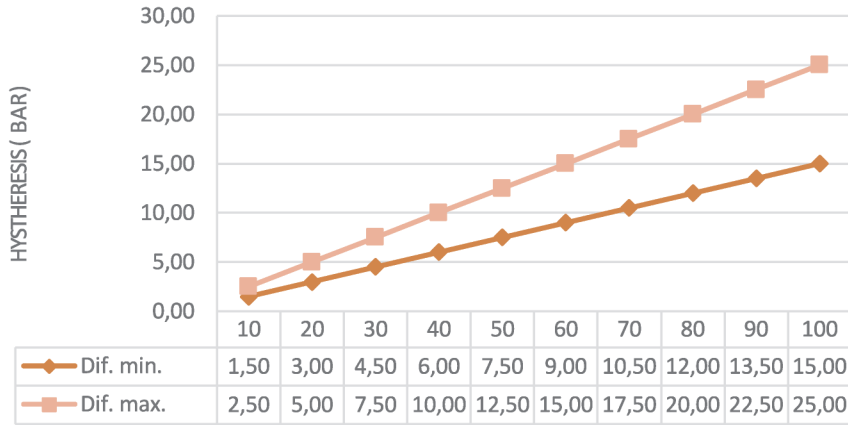


Working Pressure : Adjustable between 1 bar ..... 12 bar  
System Pressure Max. ( Pmax ) : 40 bar  
Type : Diaphragm

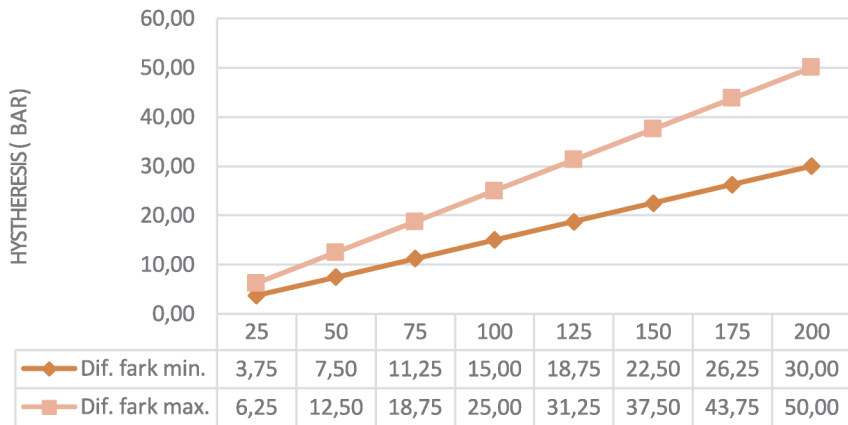


## Pressure Differential Difference Graphics

Working Pressure : Adjustable between 10 bar ..... 100 bar  
System pressure Max. ( Pmax ) : 600 bar  
Type : Piston

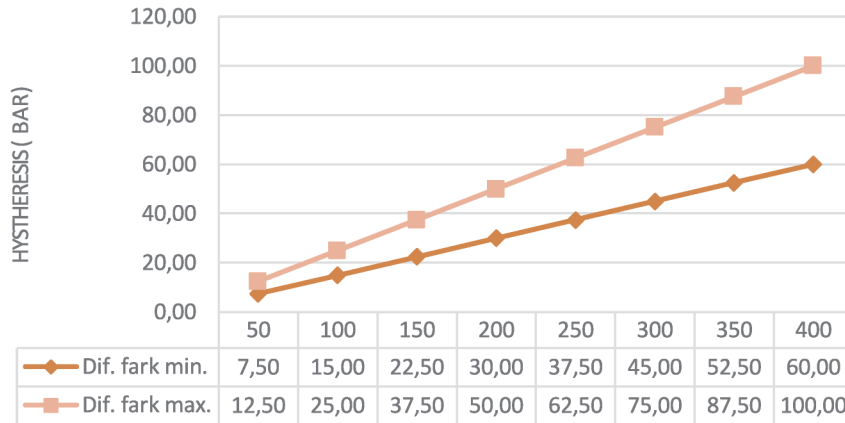


Working Pressure : Adjustable between 20 bar ..... 200 bar  
System Pressure Max. ( Pmax ) : 600 bar  
Type



## Pressure Differential Difference Graphics

Working Pressure : Adjustable between 20 bar ..... 400 bar  
System pressure Max. ( Pmax ) : 600 bar  
Type : Piston



## Technical Dimensions

