

# 834990x.0000.xxxxx

## Differential pressure controller

- > A differential pressure controller is a universal measuring transducer especially for small differential pressures (<100 mbar)
- > Actual differential pressure is indicated digitally with 4-digits
- > Two switching thresholds for monitoring and control purposes
- > Additional threshold is used for monitoring a maximum differential pressure



### Technical features

**Power supply:**

230 V AC, 50 ... 60 Hz,  $\pm 10\%$   
24 V DC,  $-16\%/+50\%$

**Power consumption:**

< 3 VA

**Operating temperature:**

$-10 \dots +50^\circ\text{C}$  ( $14 \dots +122^\circ\text{F}$ )

**Measuring system:**

Semi-conductor sensor

**Medium:**

Air as well as dry, non-aggressive gases

**Measuring range:**

0 ... 25/50/100/500 mbar

**Pressure connection:**

Pipe connection  
G1/4" inside thread  
Option: 4 mm, 6 mm hose nipple

**Analogue output:**

0 (4) ... 20 mA

**Relay switching outputs:**

1 change-over contact for cleaning:  
Contact rating 250 V a.c., 5 A or 110 V d.c., 1 A;  
1 change-over contact for  $\Delta p$ -Alarm:  
Contact rating 250 V a.c., 5 A or 110 V d.c., 1 A

**Accuracy:**

Basic accuracy:  
 $\pm 1\%$  of end value  
Temperature drift:  
 $\pm 0,05\%/K$  of end value

**Electrical connections:**

Spring-loaded terminals, 1.0 mm<sup>2</sup> finely stranded, 1.5 mm<sup>2</sup> single stranded

**Approval:**

x II 3D Ex tc IIIC T135°C DC IP65

**Material:**

Casing: Plastic casing (IP65)

**Dimensions:**

122 x 120 x 55 mm

### Technical data – standard models

Description	Typ	Typ
	Input voltage in 24 V d.c.	Input voltage in 230 V a.c.
0 ... 25	8349900.0000.02400	8349900.0000.23059
0 ... 50	8349901.0000.02400	8349901.0000.23059
0 ... 100	8349902.0000.02400	8349902.0000.23059
0 ... 500	8349903.0000.02400	8349903.0000.23059