

Bourdon tube pressure gauge with electronic pressure switch Plastic case, ingress protection IP 41 Model PGS06

WIKA data sheet PV 21.05

switchGAUGE

Applications

- General machine building

Special features

- Non-contact sensor (wear-free)
- Nominal size 40, 50
- Scale ranges 0 ... 1.6 bar to 0 ... 400 bar
- NPN or PNP switching outputs
- Both switch points factory-programmable between 5 % and 95 % of the scale range



switchGAUGE model PGS06

Description

Design

EN 837-1

Nominal size in mm

40, 50

Accuracy class

2.5

Scale ranges

0 ... 1.6 to 0 ... 400 bar

or all other equivalent vacuum or combined pressure and vacuum ranges

Pressure limitation

Steady: 3/4 x full scale value

Fluctuating: 2/3 x full scale value

Short time: Full scale value

Permissible temperature

Ambient: -20 ... +60 °C

Medium: +60 °C maximum

Temperature effect

When the temperature of the measuring system deviates from the reference temperature (+20 °C): max. $\pm 0.4 \%$ /10 K of the span

Process connection

Cu-alloy,

Lower mount (LM) or centre back mount (CBM)

G 1/4 B (male), 14 mm flats

Pressure element

Cu-alloy, C-type

Movement

Cu-alloy

Dial

Plastic, white, black lettering

Pointer

Plastic, black

Case
Plastic

Window
Plastic, crystal-clear (PC)

Ingress protection
IP 41 per EN 60529 / IEC 529

Electronics

Switching output

- NPN
- PNP
Normally closed (NC) or normally open (NO)
NS 40: 1 switching output
NS 50: 1 or 2 switching outputs selectable

Supply voltage (Us)

DC 12 ... 32 V

Electrical connections

Cable outlet, standard length 2 m

Colour	Assignment
red	UB +
black	GND
orange	SP1
brown	SP2

Switching current

Max. 1 A, short-circuit-proof

Electromagnetic compatibility

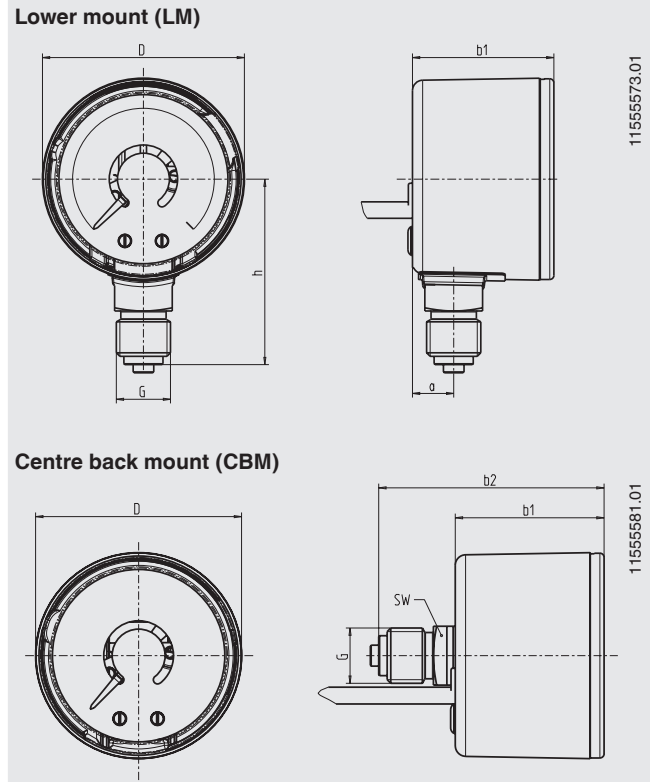
Per test standards EN 61000-4-6 / EN 61000-4-3

Options

- Other process connection (with adapter, Cu-alloy)
- Other cable length

Dimensions in mm

Standard version



NS	Dimensions in mm							Weight in kg	
	a	b1	b2	D	G	h	SW		
40	9	34.1	48.5	40	G 1/8 B	36	14	0.1	
50	10	34.5	53.6	49	G 1/4 B	45	14	0.2	

Process connection per EN 837-1 / 7.3

Ordering information

Model / Nominal size / Scale range / Connection size / Connection location / Switch point and function (1 or 2) / Options

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