

**-1 to 10 bar relative pressure
Electronic pressure switch/-sensor
for positive pressure - and vacuum control**

- **Space saving design**
- **Easy programming of set points**
- **Design with display**
- **Special functions selectable**
- **Analogue (1–5V) and digital outputs, as n.o. / n.c. programmable**
- **Revolving display**

**Technical data:****Fluids:**

For non aggressive gases and dry non lubricated compressed air

Pressure range:

Pneumatics: -1 to 0 bar / 0 to 10 bar

Display:

7-segments-display 3 digits

Switching indication:

LED red – out 1

LED green – out 2

Linearity:

< 1% FS

Repeatability:

± 0,2 % FS

Protection:

IP65 (DIN 40050)

Fluid connection:

M5 female and G1/8 male

Mounting:

Optional

Shock :

10G, XYZ

Vibration proof:

10 to 55 Hz, 1.5 mm, XYZ, 2h

Electrical connection:

M 8 x 1 / 4 pins

Voltage supply:

$U_B = 10,8$ to 30 VDC

max. 10% residual ripple within U_B

Power consumption:

≤ 35 mA

Output signal:

Digital: U_B minus 1,5 V

Analogue: 1 bis 5 V

Contact rating:

$I_{max} = 250$ mA

Switching time:

< 2,5 ms

Out/off switching delay:

Programmable 0 to 180 s

Electromagnetic compatibility:

Interference immunity acc. to EN 50081. Part 1

Interference immunity acc. to EN 50082. Part 2

Material:

Housing: Plastic ABS – PC

Fluid connection: Brass tin plated

How to order

40D Vacuum analogue (-1 to 0 bar)

Type: 0862440



Type nos.

Type	Pressure range	Display	Output signal
0862440	- 1 to 0 bar	No	1 x PNP / analogue 1 to 5 V
0862441	- 1 to 0 bar	Yes	2 x PNP
0862442	0 to 10 bar	Yes	2 x PNP

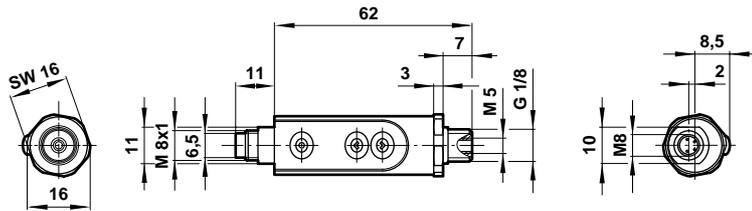
Electrical connection M 8 x 1

PIN / Cable	Signal
1 / brown	+ U _s
2 / white	PNP 2 / analogue 1 to 5V
3 / blue	0 V
4 / black	PNP 1

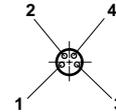
Connector M 8 x 1

Type	Versions
0523449	straight, 4 pin, with 1,5 m PUR-cable
0523447	straight, 4 pin, with 5,0 m PUR-cable
0523446	90°, 4 pin, with 1,5 m PUR-cable
0523448	90°, 4 pin, with 5,0 m PUR-cable

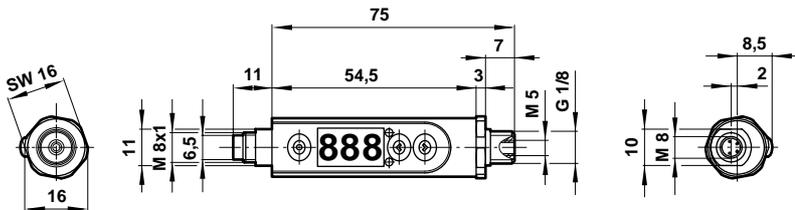
Drawing Type 0862440



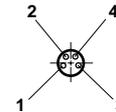
PIN-allocation



Drawing Type 0862441 and 0862442



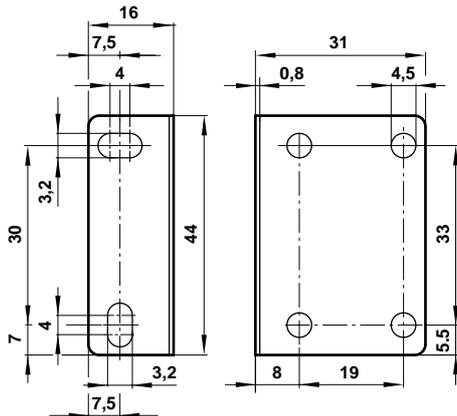
PIN-allocation



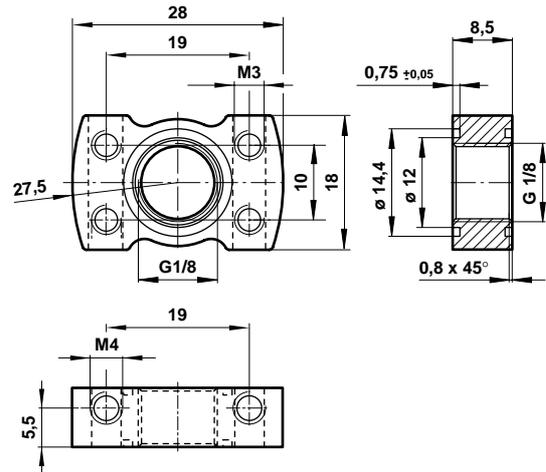
Accessories

Mounting bracket including adapter flange:
Complete with fixation screws and o-ring (NBR)
Type: 0523426

Mounting bracket



Adapter flange



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.