

- > **0 ... 16 bar**
(0 ... 232 psi)
Port size: G1/4 or flange
- > **Thread and flange connections**
- > **Compact and robust design**
- > **Easy programming of switchpoint**
- > **Economic solution for industrial applications**
- > **Switching status indicated by LED**
- > **Free of lacquer impairing substances**



Technical features

Medium:

Gaseous, aggressive and neutral, not-combustible

Pressure range:

0 ... 2, ... 10 or ... 16 bar
(0 ... 29, ... 145, ... 232 psi)

Switching pressure difference/hysteresis:

Programmable

Switching point:

Adjustable between
0 ... 100% of full scale (FS)
(smallest adjustable pressure switching difference between switching point and reset point $\geq 0,8\%$ of full scale (FS))

Mounting position:

Optional

Total accuracy:

$\pm 1,5\%$ of full scale (FS) -
(linearity, hysteresis, repeatability)

Shockproof:

25 g, xyz, DIN EN 60068-2-27

Vibrationproof:

10 g, 5 ... 500 Hz, xyz,
DIN EN 60068-2-6

Degree of protection acc. to DIN 40050:

IP65 with plug mounted)

Weight:

0,06 kg (13.23 lbs)

Temperature sensitivity:

Zero point: $\pm 0,4\%$ of final value (FS) pro 10° Kelvin
Range: $\pm 0,4\%$ of final value (FS) pro 10° Kelvin

Ambient/Media temperature:

Ambient:
-20 ... +80°C (-4 ... +176°F)
Media:
-25 ... + 80°C (-13 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperature below +2°C (+35°F)

FS = full scale

Materials:

Housing:
Aluminium/Stainless steel
Sensor (fluid-affected parts):
Silizium/Aluminium

Electronical parameters

Electrical connection:

M12 x 1

Power supply:

UB = 18 ... 32 V d.c.

Permissible residual ripple:

10% (within UB)

Current consumption:

< 30 mA (without load current)

Switching mode:

PNP, potential-bound open collector switching to UB

Output signal:

UB minus 1,5V

Contact rating:

Imax. 250 mA (short-circuit proof)

Response time:

< 3 ms


Service life:

Min. 50 million switching cycles

Electromagnetic compatibility:

According to EN 61326-1

Technical data

Symbol	Port size	Switching pressure range (bar)	Switching pressure range (psi)	Over pressure *1 (bar)	Over pressure *1 (psi)	Output signal	Model
	G1/4	0 ... 2	0 ... 29	5	72	1 x PNP	0860020
	Flange	0 ... 2	0 ... 29	5	72	1 x PNP	0860026
	G1/4	0 ... 10	0 ... 145	25	362	1 x PNP	0860030
	Flange	0 ... 10	0 ... 145	25	362	1 x PNP	0860036
	G1/4	0 ... 16	0 ... 232	40	580	1 x PNP	0860040
	Flange	0 ... 16	0 ... 232	40	580	1 x PNP	0860046

Connector is not in scope of delivery

*1) Short-term pressure peaks are not allowed to exceed this limit value during operation. Operative utilization of the limit value is not permitted. The limit value corresponds to the maximum testing pressure

Accessories

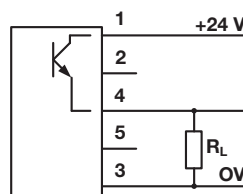
Pressure port reducing nipple	Surge damper
0574767 (brass) 0550083 (stainless steel)	0574773 (brass) 0553258 (stainless steel)

Connector M12 x 1	4- or 5-pin, 90°	4-pin, 90°	4-pin, straight	4-pin, straight
0523058 (2 m cable, 4-core) 0523053 (5 m cable, 4-core) 0250081 (5 m cable, 5-core, on PE-requirement *1)	0523056 (without cable)	0523057 (2 m cable, 4-core) 0523052 (5 m cable, 4-core)	0523055 (without cable)	

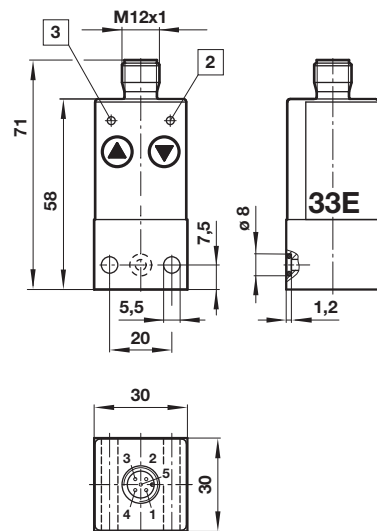
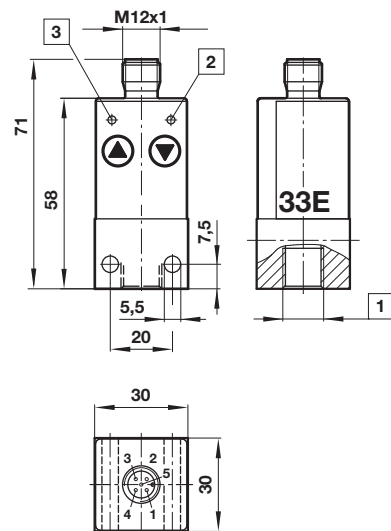
*1) Cable with screening

Electrical connection M12 x 1

PIN-No.	Signal	Cable
1	+ UB	brown
2	Out 2 (PNP) or DESINA	white
3	0 Volt	blue
4	Out 1 (PNP)	black
5	Not used	grey



Dimensions

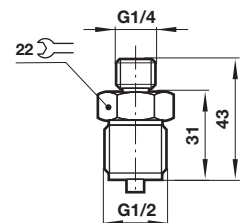


Dimensions in mm
Projection/First angle



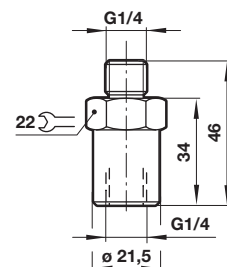
Pressure port reducing nipple

Model: 0574767 (brass)
0550083 (stainless steel)



Surge damper

Model: 0574773 (brass)
0553258 (stainless steel)



- 1 G1/4, 12 deep or 1/4 NPT, 10 deep"
- 2 LED – yellow; status Out 1
- 3 LED – green; power on

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 features/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 IMI 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.