

- 2 Type**
- NO** 2 x Normally open
 - NC** 2 x Normally closed



l_1	b	d	h	k	l_2	l_3	l_4	l_5	l_6	l_7	l_8	l_9	$s \approx$ Max. wall thickness
127	31	M 12	40	50	23	101	169	13	25	20	32,5	43	12
254	31	M 12	40	50	23	101	295	13	25	20	32,5	43	12

Specification

- Housing plastic
Crystal-clear Polyamide (PA -T)
- Ageing resistant
- High mechanical strength
- Temperature resistant up to 90 °C
- Solvent resistant, but not suitable for alcohol
- Avoid contact with hot water
- Reflector aluminum
- White lacquered
- With 2 marking lines
- Float
Plastic, black
- O-ring, rubber NBR (Perbunan®)
- Set screw, hexagon nut, serrated lock washer
Steel, zinc plated, blue passivated
- IP Protection Classes → Page 2153
- Elastomer Characteristics → Page 2158
- Plastic Characteristics → Page 2158

• RoHS

On request

- Oil level indicators GN 652 with electrical oil level and temperature monitoring ($l_1 = 76$ and 254)

Information

Oil level indicators GN 650.5 not only allow fluid levels to be inspected, they can also trigger an electric impulse once the oil level drops below a certain mark or if a certain temperature is reached.

The oil level is measured by means of a float with a magnet which makes or breaks a contact (REED switch) when the fluid minimum is reached.

The temperature is monitored via a sensor which makes or breaks a contact when a temperature of 80 °C is reached.

The polyamide body consists of two parts, welded with ultrasound.

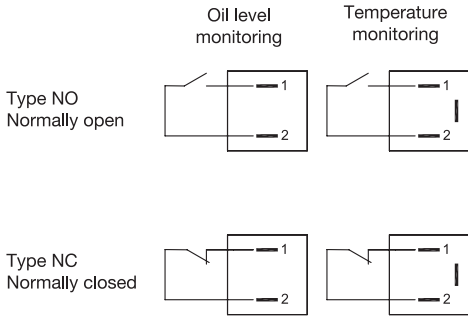
Oil level indicators GN 650.5 can also be used in pressurised containers. Pressure test results regarding resistance under pressure are available.

see also...

- List of Oil Level Indicator Types → Page 1562
- Oil Level Indicators GN 650.3 (with Electrical Oil Level Monitoring) → Page 1568
- Oil Level Indicators GN 650.6 (with Electrical Oil Level Monitoring) → Page 1570

How to order	
1	l_1
2	Type

GN 650.5-127-NO



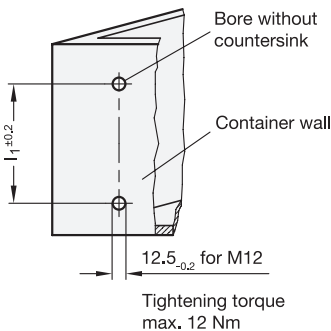
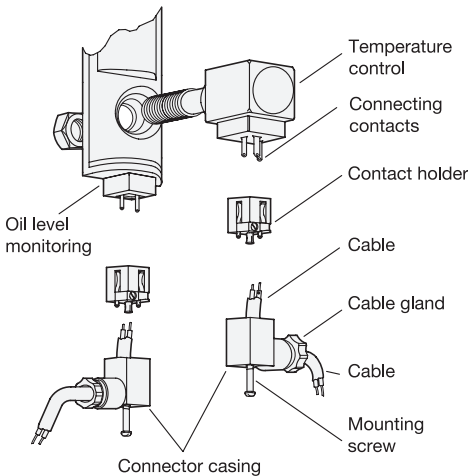
Electrical specifications

Oil level monitoring	
Max. switching voltage /	150 V AC, 100 V DC / 1 A (NO)
Max. switched current:	150 V AC, 150 V DC / 2 A (NC)
Max. switching capacity:	10 W (NO) / 20 W (NC)
Temperature monitoring	
Max. switching voltage /	250 V AC / 10 A
Max. switching current:	48 V DC / 5 A
Oil level and temperature monitoring	
Connector plug:	DIN EN 175301-803 type C
Protection class:	IP 65
Cable gland:	PG 7, for cable Ø from 6 to 7 mm
Cable cross-section:	2 x 1,5 mm ²

Caution: Magnet fields impair the proper function!

Assembly sequence for cable connection

1. Loosen the mounting screw and pull off the connector plug.
2. Push the contact holder out off the connector casing.
3. Loosen the cable gland, feed the cable through the connector casing and connect to the contact holder.
4. Push the contact holder back into the connector casing and tighten the cable gland for strain relief grip / seal.
5. Push the connecting plug over the connecting contacts of the oil level indicator and secure with mounting screw.



Assembly instructions

Two tapped holes M12 are required for mounting the oil level indicator GN 650.5. If nuts are used for mounting, two Ø 12.5 bore holes are required.

For the best possible sealing effect of the O-rings, do not over-tighten the screws (max. 12 Nm). Recommended roughness of the sealing flange surface $R_a = 3 \mu\text{m}$.

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9

