

1) Sensing surface, 2) Sealing ring, 3) Potentiometer



Basic features

Approval/Conformity	CE WEEE FDA compliant
Basic standard	IEC 60947-5-2
Scope of delivery	Hygienic gasket GN7600-18-14-2-HNBR-85
Sensitivity	media-dependent, adjustable

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Cable diameter D	2.9 mm
Cable length L	5 m
Conductor cross-section	0.14 mm ²
Connection	3-pin
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

No-load current I_0 max. at U_e	20 mA
Operating voltage U_b	18...30 VDC
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	50 mA
Rated operating voltage U_e DC	24 V
Ready delay t_v max.	300 ms
Ripple max. (% of U_e)	10 %
Switching frequency	5 Hz
Utilization category	DC -13
Voltage drop static max.	3 V

Environmental conditions

Ambient temperature	-10...105 °C
Protection degree	IP68 IP65 at cable exit

Material

Cover material	PA
Housing material	PEEK
Material jacket	PVC
Material sensing surface	PEEK

Mechanical data

Dimension	Ø 18 x 76 mm
Installation	non-flush
Thread (A)	G 1/4"
Tightening torque	1 Nm

Output/Interface

Switching output PNP/NPN normally open/normally closed (NO/NC)

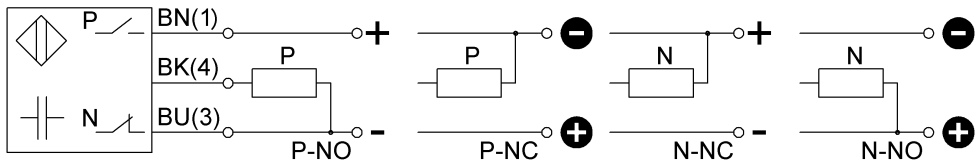
Range/Distance

Temperature drift max. (% of Sr) 20 % [-5...55 °C]

Remarks

See help view below for installation conditions.
Cabling note: The connection cable must not be looped in a ring directly behind the sensor. Instead trim any excess length or create a meandering form.
For application-specific manufacturer's adjustment refer to Test Instruction No. 889411
With high conductivity and high viscosity of the medium to be detected, the free zone distance to the container wall and between the sensors is increased!

Wiring Diagrams



Help Views

