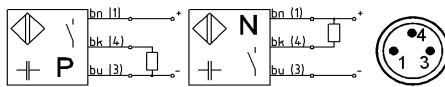
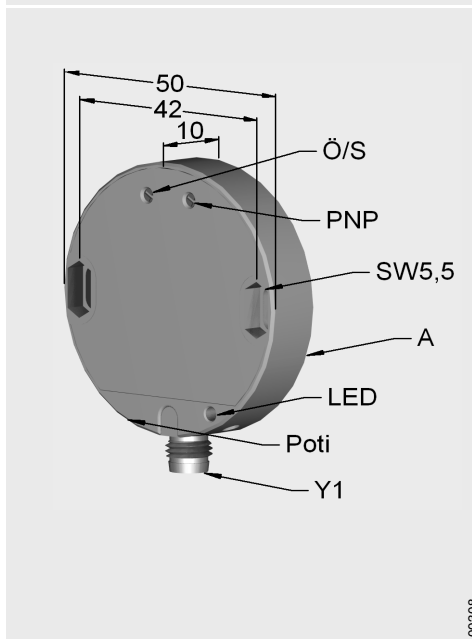
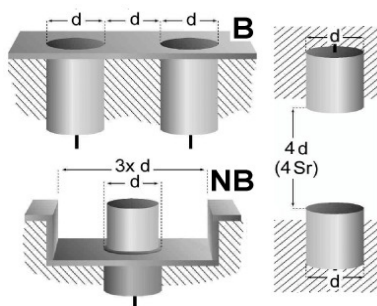


**Type code (abstract)**

SK sensor capacitive, w/o amplifier  
 SKF sensor cap., w/o amplifier, flexible  
 SK1 sensor capacitive, self-contained  
 SV(D) sensor amplifier (dynamic)  
 SNG sensor power pack  
 HT### high temperature use  
 TM pulse modulation technique (High noise immune)  
 ## / FS(A) max sensing distance / Fill-level switch (adaptive)  
 M30 model and/or dimension  
 P output stage PNP, NPN, X (switchable)  
 B mounting B=flush NB=non-flush  
 S S=N.O. Ö=N.C. X=function switchable  
 POM Housing Material POM  
 1M2-Y2 cable & connector:  
 Y# = connector  
 1M2 = 1.2m cable length



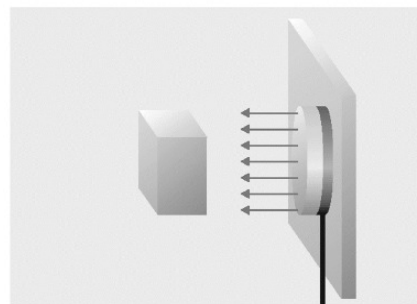
Typ / Type	Nr./No.
Level Disc Sensor / Full Level	108 048
Level Disc Sensor / Low Level	108 045

**Range of use**

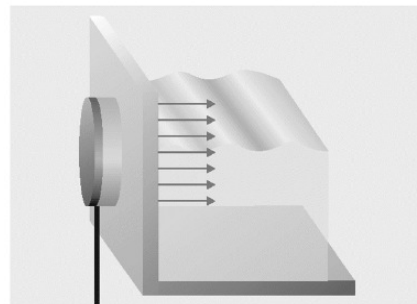
As a distance sensor with an adjustable sensing distance of up to 25 mm, the compact-size disk sensor, 50 mm diameter, is suitable for scanning plastics, glass, ceramics, wood, etc. This sensor's large active surface also enables it to be used as a fill level indicator, since it can detect liquids and granules through plastic or glass walls.

**Applications**
**1. Object detection**

Detecting plastics, glass, ceramics, wood and all metals, etc.


**2. Fill level monitoring**

Level control of liquids and granules like water, blood, cereals, coffee beans, etc.



Glass- or plastic wall max. 4 mm, depending on the material of the container wall.

**Adjustment**

The sensor is adjusted using a flushmounted Potentiometer, adjustment instructions for flush sensor versions see on page 1.09.

**Signal evaluation**

The SNG series (page 12.01-12.03) of sensor devices is available for signal evaluation.

Depending on the application involved, you can choose between a power supply, a power supply with timer function, or a MinMax control unit. The sensor can also be run from a PLC.

Mounting [flush / nonflush]	[ B / NB ]	B
Operating distance	Sn [mm]	2... 25
Hysteresis	H [%SR]	20
Frequency of operating cycles	f [Hz]	50
Repeat accuracy	R [%SR]	2
Operating temperature range	Ta [C°]	-30... 60
Temperature drift [range]	[%SR]	20 [ -5... 55]
Protection class		IP 65
Rated insulation voltage	Ui [V]	75 d. c.
Material of housing		POM
Utilisation category		DC13
Connection		Z10; Z11
Supply voltage range UB	Ub [V]	10... 30
No-load supply current	Iomax. [mA]	< 15
Minimum operational current	Imin [mA]	
Operational current	Ie [mA]	150
Off-state current	Ir [mA]	
Voltage drop	Ud @ Ie [V]	1,5
Time delay before availability	tv [ms]	
Indicator [UB / Output]		- / •
Short circuit- overload-protection		• / •
Reverse polarity protection		•
Conformity	EMC EEC-direct.	IEC 60947-5-2 : 2004
EMC		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.55-1.6 Mhz. SNG-###AC...
Associated equipment		PNP / NPN
Additional functionality		S / Ö NO / NC

Application