

Sensors for level sensing

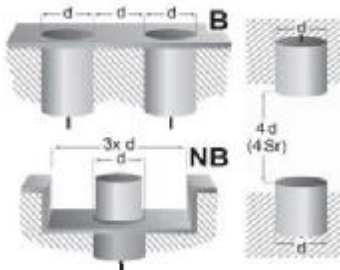
Series SK1 0700/0750

- Model with output stage from Ø-M12
- Sensing distance adjustable
- Non-flush mountable
- Connecting lead, plug connector, terminal connection
- Housing plastic, metal, PTFE

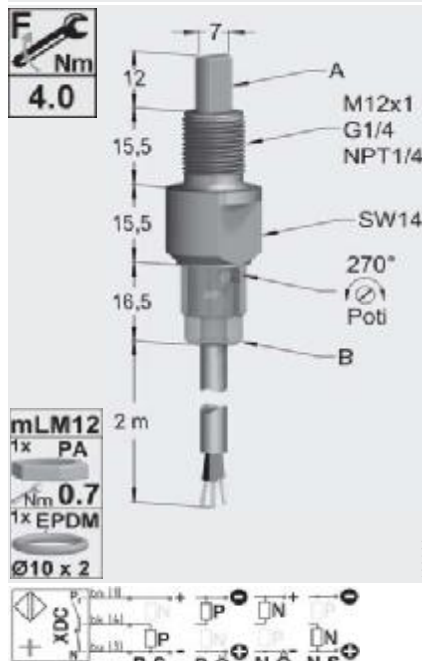


Type code (abstract)

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
IM	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. O=N.C. X=function switchable
(C)PTFE	Housing material, e.g. PTFE CPTFE=complete PTFE
1M2-Y2	cable & connector: Y# = connector 1M2 = 1.2m cable length



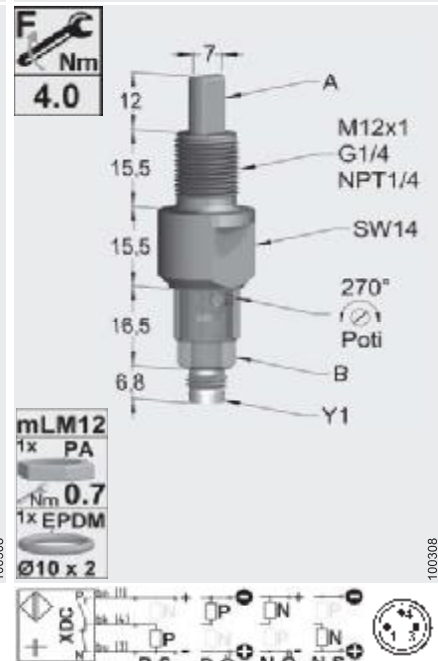
microLEVEL



Typ / Type
SK1-FS-MLM12-XDC-PSU
SK1-FS-MLG1/4-XDC-PSU
SK1-FS-MLNPT1/4-XDC-PSU

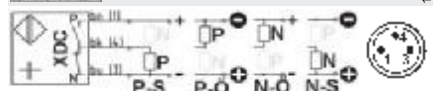
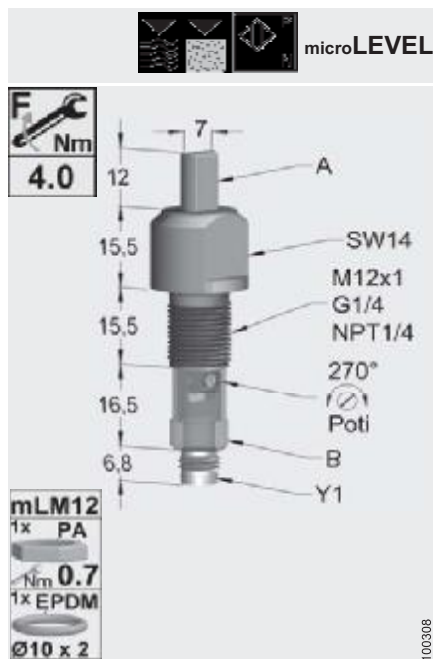


microLEVEL



Typ / Type
SK1-FS-MLM12-XDC-PSU-Y1
SK1-FS-MLG1/4-XDC-PSU-Y1
SK1-FS-MLNPT1/4-XDC-PSU-Y1

Mounting [flush / nonflush]	[B / NB]	NB	NB
Operating distance	Sn [mm]	FS	FS
Hysteresis	H [%SR]		
Frequency of operating cycles	f [Hz]	5	5
Repeat accuracy	R [%SR]		
Operating temperature range	Ta [C°]	-10... 70	-10... 70
Temperature drift [range]	[%SR]		
Protection class		A : IP 68 / 10bar; B : IP 69K	A : IP 68 / 10bar; B : IP 69K
Rated insulation voltage	Ui [V]	75 d. c.	75 d. c.
Material of housing		PSU	PSU
Utilisation category		DC13	DC13
Connection		2m / 3x 0,34mm ² PUR	Z10; Z11
Supply voltage range UB	Ub [V]	10... 35	10... 35
No-load supply current	Iomax. [mA]	20	20
Minimum operational current	Im [mA]	—	—
Operational current	Ie [mA]	50 / 50 XDC	50 / 50 XDC
Off-state current	Ir [mA]	—	—
Voltage drop	Ud @ Ie [V]	3	3
Time delay before availability	tv [ms]	< 300	< 300
Indicator [UB / Output]		• / •	• / •
Short circuit- overload-protection		• / •	• / •
Reverse polarity protection		!	!
Conformity	EMC EEC-direct.	IEC 60947-5-2 : 2004	IEC 60947-5-2 : 2004
EMC		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-0.8 Mhz.	IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-0.8 Mhz.
Associated equipment			
Additional functionality			
Application			



Typ / Type

SK1-FS-MLRM12-XDC-PSU-Y1
SK1-FS-MLRG1/4-XDC-PSU-Y1
SK1-FS-MLRNPT1/4-XDC-PSU-Y1

NB
FS
5
-10... 70
A : IP 68 / 10bar; B : IP 64
75 d. c.
PSU
DC13
Z10; Z11
10... 35
20
-
50 / 50 XDC
-
3
< 300
•/•
•/•
!
IEC 60947-5-2 : 2004

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-0.8 Mhz.

application notes

Standard Level Sensors

can detect solids like sand, granules and pellets as well as all nonconductive liquids.

Mounting

Standard through hole mounting can be done using the enclosed nut. It is not required but recommended while mounted in a female thread. Sealing can be done using an O-ring or flat type gasket.

We recommend to close the pot access hole by the use of the circular clip.



A liquid limit switch of any length can be realized by the use of a reverse mount sensor. Sealing can be done using an O-ring or flat type gasket.

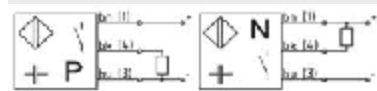
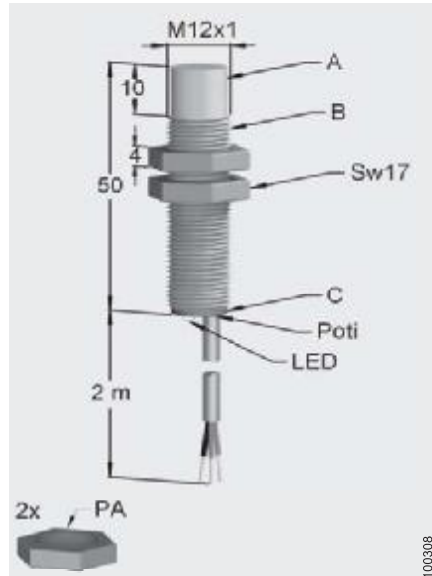
microLEVEL with protective mounting well available in thread size M18 or G 1/2" (see catalog section 13). Probe end fully surrounded by protective cover.



1..8



M12



Typ / Type

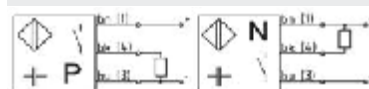
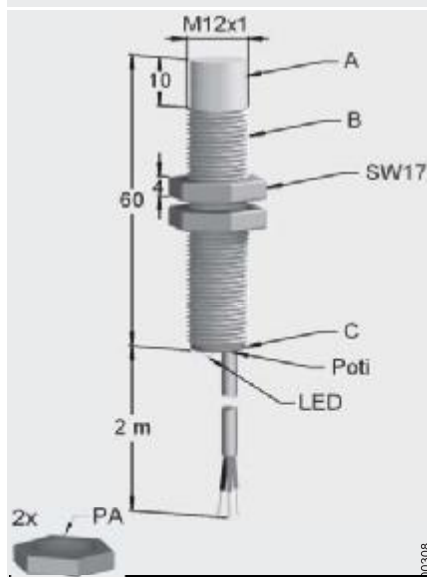
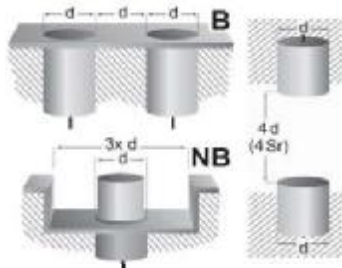
SK1-8-M12-PNBS-PVC
SK1-8-M12-PNBO-PVC
SK1-8-M12-NNBS-PVC
SK1-8-M12-NNBO-PVC

NB
1... 8
15
100
2
-30... 60
15 [-5... 55]
IP 65
75 d. c.
A. PVC; B: PVC; C: PVC
DC13
2m / 3x 0,14mm ² PUR
12... 35
10
200
0,8
-/•
•/•
•
IEC 60947-5-2 : 2000

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.45-2,9 Mhz. SNG-###AC...

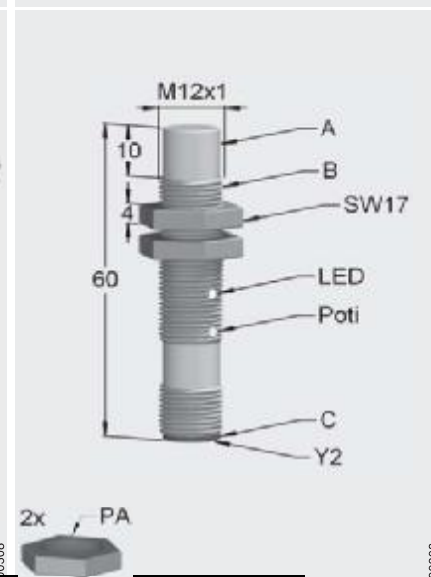
Type code (abstract)

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. O=N.C. X=function switchable
(C)PTFE	Housing material, e.g. PTFE CPTFE=complete PTFE
1M2-Y2	cable & connector: Y2 = connector 1M2 = 1.2m cable length



Typ / Type

SK1-TM-6-M12/60-PNBS-PVC
SK1-TM-6-M12/60-PNBO-PVC
SK1-TM-6-M12/60-NNBS-PVC
SK1-TM-6-M12/60-NNBO-PVC



Typ / Type

SK1-8-M12-PNBS-PVC-Y2
SK1-8-M12-PNBO-PVC-Y2
SK1-8-M12-NNBS-PVC-Y2
SK1-8-M12-NNBO-PVC-Y2

Mounting [flush / nonflush]		[B / NB]	NB	NB
Operating distance	Sn	[mm]	1... 6	1... 8
Hysteresis	H	[%SR]	15	15
Frequency of operating cycles	f	[Hz]	25	100
Repeat accuracy	R	[%SR]	2	2
Operating temperature range	Ta	[C°]	-30... 60	-30... 60
Temperature drift [range]		[%SR]	15 [-5... 55]	15 [-5... 55]
Protection class			IP 65	IP 65
Rated insulation voltage	Ui	[V]	75 d. c.	75 d. c.
Material of housing			A: PVC; B: PVC; C: PVC	A: PVC; B: PVC; C: PA
Utilisation category			DC13	DC13
Connection			2m / 3x 0,14mm² PUR	Z20; Z21
Supply voltage range UB	Ub	[V]	13... 35	12... 35
No-load supply current	Iomax.	[mA]	15	10
Minimum operational current	Im	[mA]		
Operational current	Ie	[mA]	200	200
Off-state current	Ir	[mA]		
Voltage drop	Ud @ Ie	[V]	0,8	0,8
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	IEC 60947-5-2 : 2004

EMC

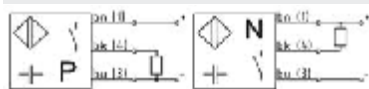
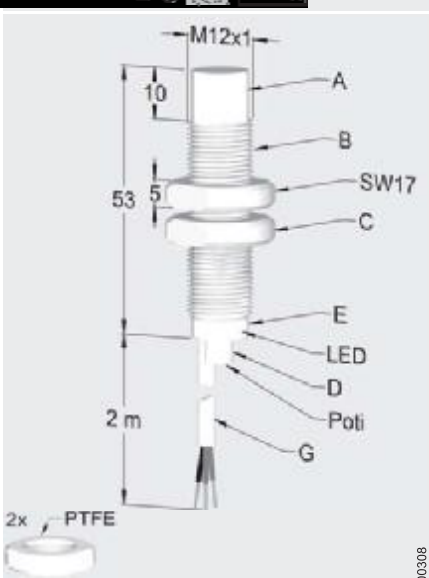
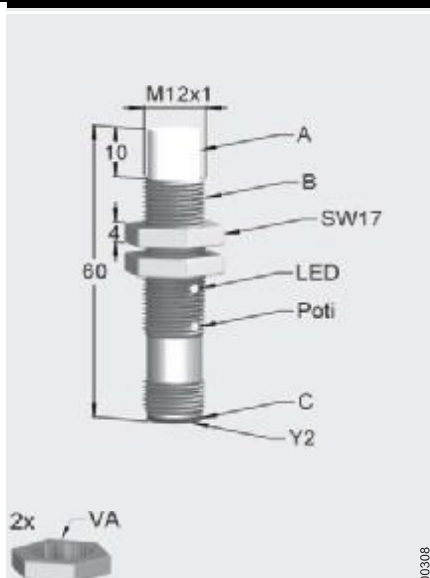
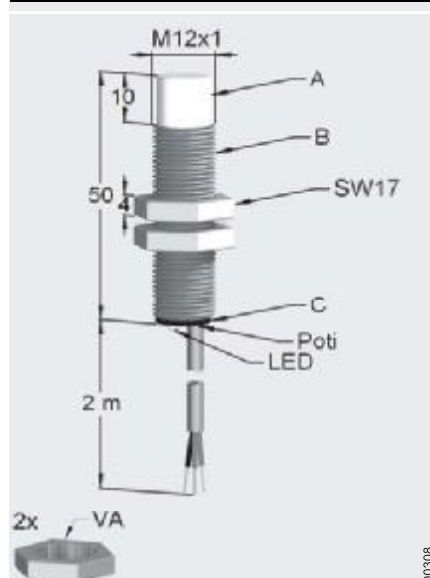
Associated equipment
Additional functionality

SNG-###AC...

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.25-1,8 Mhz.
SNG-###AC...

Application



**Typ / Type**

SK1-8-M12-PNBS-VA/PTFE
SK1-8-M12-PNBO-VA/PTFE
SK1-8-M12-NNBS-VA/PTFE
SK1-8-M12-NNBO-VA/PTFE

NB
1... 8
15
100
2
-30... 70
15 [-5... 55]
IP 65
75 d. c.
A: PTFE; B: VA; C: POM
DC13
2m / 3x 0,14mm ² PUR
12... 35
10
200
0,8
- / •
• / •
•

IEC 60947-5-2 : 2004



IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.6-2 Mhz.
SNG-###AC...

Typ / Type

SK1-8-M12-PNBS-VA/PTFE-Y2
SK1-8-M12-PNBO-VA/PTFE-Y2
SK1-8-M12-NNBS-VA/PTFE-Y2
SK1-8-M12-NNBO-VA/PTFE-Y2

NB
1... 8
15
100
2
-30... 70
15 [-5... 55]
IP 65
75 d. c.
A: PTFE; B: VA; C: PA
DC13
Z20; Z21
12... 35
10
200
0,8
- / •
• / •
•

IEC 60947-5-2 : 2004



IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-1.7 Mhz.
SNG-###AC...

Typ / Type

SK1-8-M12-PNBS-CPTFE
SK1-8-M12-PNBO-CPTFE
SK1-8-M12-NNBS-CPTFE
SK1-8-M12-NNBO-CPTFE

NB
1... 8
15
100
2
-30... 70
15 [-5... 55]
IP 65
75 d. c.
A-G: PTFE
DC13
2m / 3x 0,2mm ² PTFE
12... 35
10
200
0,8
- / •
• / •
•

IEC 60947-5-2 : 2004



IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.2-1.9 Mhz.
SNG-###AC...



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

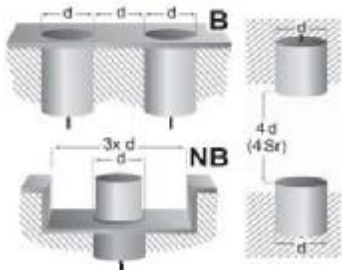
P output stage PNP, NPN, X (switchable)

B mounting B=flush
NB=non-flush

S S=N.O. O=N.C.
X=function switchable

(C)PTFE Housing material, e.g. PTFE
CPTFE=complete PTFE

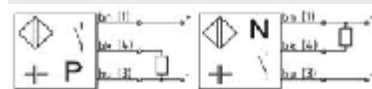
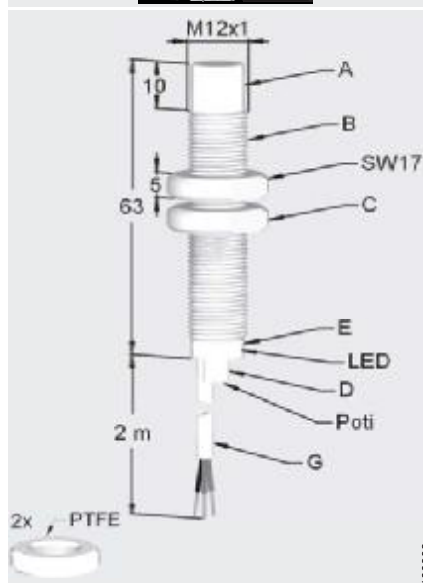
TM2-Y2 cable & connector:
Y2 = connector
TM2 = 1.2m cable length



1..6



M12



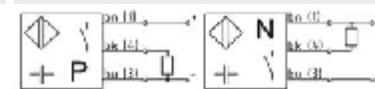
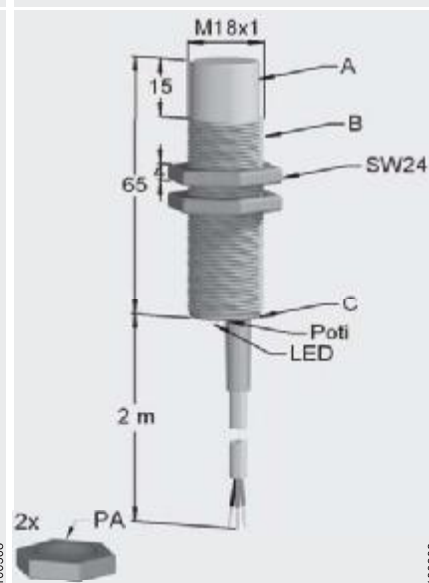
Typ / Type

SK1-TM-6-M12/63-PNBS-CPTFE
SK1-TM-6-M12/63-PNBO-CPTFE
SK1-TM-6-M12/63-NNBS-CPTFE
SK1-TM-6-M12/63-NNBO-CPTFE

2..15



M18



Typ / Type

SK1-15-M18-PNBS-PVC
SK1-15-M18-PNBO-PVC
SK1-15-M18-NNBS-PVC
SK1-15-M18-NNBO-PVC

Mounting [flush / nonflush]	[B / NB]	NB	NB
Operating distance	Sn [mm]	1... 6	2... 15
Hysteresis	H [%SR]	15	15
Frequency of operating cycles	f [Hz]	25	100
Repeat accuracy	R [%SR]	2	2
Operating temperature range	Ta [C°]	-30... 60	-30... 60
Temperature drift [range]	[%SR]	15 [-5... 55]	15 [-5... 55]
Protection class		IP 65	IP 67
Rated insulation voltage	Ui [V]	75 d. c.	75 d. c.
Material of housing		A - G: PTFE	A: PVC; B: PVC; C: PBT
Utilisation category		DC13	DC13
Connection		2m / 3x 0,2mm ² PTFE	2m / 3x 0,25mm ² PVC
Supply voltage range UB	Ub [V]	12... 35	10... 35
No-load supply current	Iomax. [mA]	10	10
Minimum operational current	Im [mA]		
Operational current	Ie [mA]	200	300
Off-state current	Ir [mA]		
Voltage drop	Ud @ Ie [V]	0,8	1,5
Time delay before availability	tv [ms]		
Indicator [UB / Output]		- / • LED int.	- / •
Short circuit- overload-protection		• / •	• / •
Reverse polarity protection		•	•
Conformity	EMC EEC-direct.	IEC 60947-5-2 : 2004	IEC 60947-5-2 : 2004

EMC

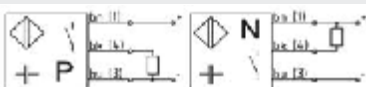
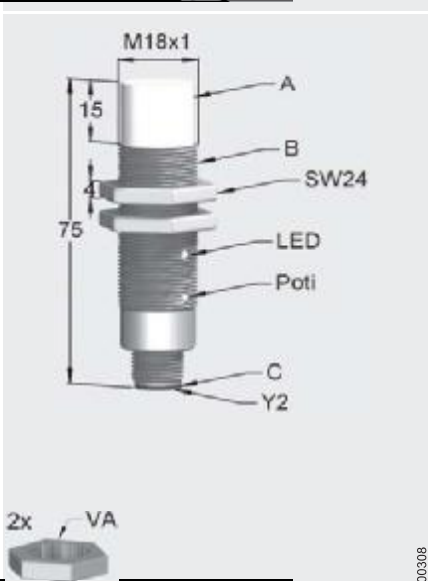
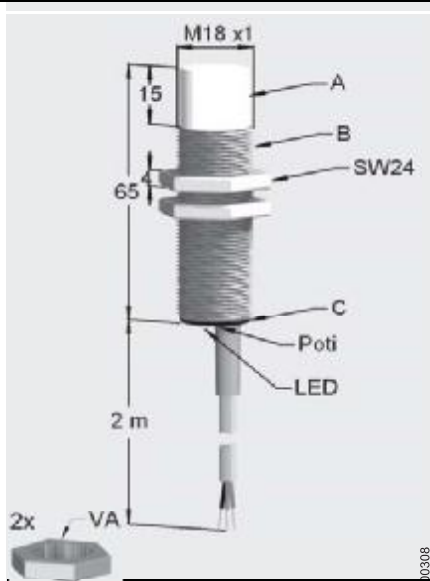
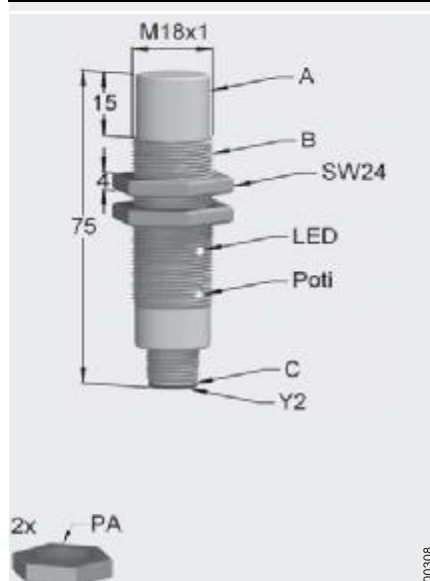
Associated equipment
Additional functionality

SNG-###AC...

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.6-5 Mhz.
SNG-###AC...

Application



**Typ / Type**

SK1-15-M18-PNBS-PVC-Y2
SK1-15-M18-PNBO-PVC-Y2
SK1-15-M18-NNBS-PVC-Y2
SK1-15-M18-NNBO-PVC-Y2

NB
2... 15
15
100
2
-30... 60
15 [-5... 55]
IP 67
75 d. c.
A: PVC B: PVC; C: PA
DC13
Z20; Z21
10... 35
10
300
1,5
- / •
• / •
•

IEC 60947-5-2 : 2004

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.6-5 Mhz. SNG-###AC...

Typ / Type

SK1-15-M18-PNBS-VA/PTFE
SK1-15-M18-PNBO-VA/PTFE
SK1-15-M18-NNBS-VA/PTFE
SK1-15-M18-NNBO-VA/PTFE

NB
2... 15
15
100
2
-30... 70
15 [-5... 55]
IP 67
75 d. c.
A: PTFE; B: VA; C: POM
DC13
2m / 3x 0,25mm ² PVC
10... 35
10
300
1,5
- / •
• / •
•

IEC 60947-5-2 : 2004

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-0.8 Mhz. SNG-###AC...

Typ / Type

SK1-15-M18-PNBS-VA/PTFE-Y2
SK1-15-M18-PNBO-VA/PTFE-Y2
SK1-15-M18-NNBS-VA/PTFE-Y2
SK1-15-M18-NNBO-VA/PTFE-Y2

NB
2... 15
15
100
2
-30... 70
15 [-5... 55]
IP 67
75 d. c.
A: PTFE; B: VA; C: PA
DC13
Z20; Z21
10... 35
10
300
1,5
- / •
• / •
•

IEC 60947-5-2 : 2004

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-0.8 Mhz. SNG-###AC...

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/ FS(A) max sensing distance / Fill-level switch (adaptive)

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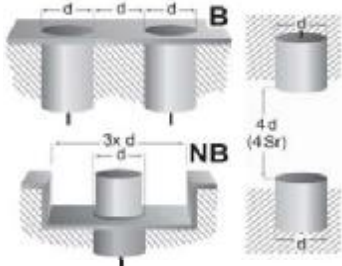
P output stage PNP, NPN, X (switchable)

B mounting B=flush NB=non-flush

S S=N.O. O=N.C. X=function switchable

(C)PTFE Housing material, e.g. PTFE
CPTFE=complete PTFE

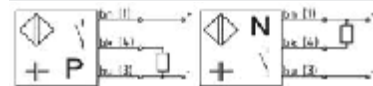
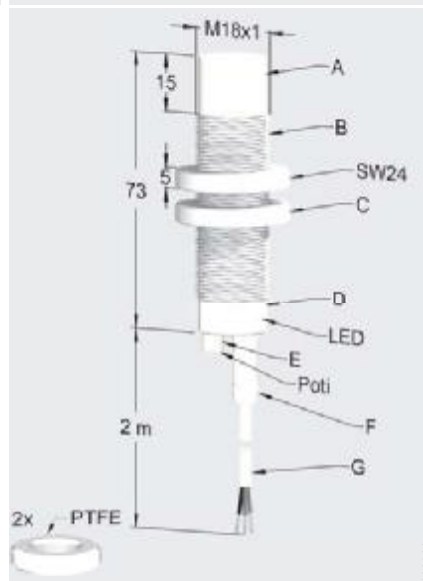
1M2-Y2 cable & connector:
Y2 = connector
1M2 = 1.2m cable length



2...15



M18



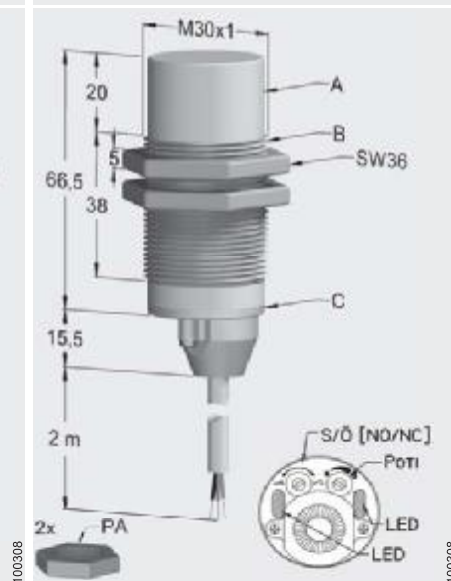
Typ / Type

SK1-15-M18-PNBS-CPTFE
SK1-15-M18-PNBO-CPTFE
SK1-15-M18-NNBS-CPTFE
SK1-15-M18-NNBO-CPTFE

1...30



M30



Typ / Type

SK1-30-M30-PNBX-PBT
SK1-30-M30-NNBX-PBT

Mounting [flush / nonflush]	[B / NB]	NB	NB
Operating distance	Sn [mm]	2... 15	1... 30
Hysteresis	H [%SR]	15	15
Frequency of operating cycles	f [Hz]	100	100
Repeat accuracy	R [%SR]	2	5
Operating temperature range	Ta [C°]	-30... 70	-30... 70
Temperature drift [range]	[%SR]	15 [-5... 55]	15 [-5... 55]
Protection class		IP 67	A, B: IP 66 / IP 68; C: IP 64
Rated insulation voltage	Ui [V]	75 d. c.	75 d. c.
Material of housing		A-G : PTFE	A: PBT; B: PBT; C: PBT/PE
Utilisation category		DC13	DC13
Connection		2m / 3x 0,2mm ² PTFE	2m / 3x 0,34mm ² PUR
Supply voltage range UB	Ub [V]	10... 35	10... 35
No-load supply current	Iomax. [mA]	10	15
Minimum operational current	Im [mA]		
Operational current	Ie [mA]	300	300
Off-state current	Ir [mA]		
Voltage drop	Ud @ Ie [V]	1,5	1,8
Time delay before availability	tv [ms]		
Indicator [UB / Output]		- / • LED int.	• / •
Short circuit- overload-protection		• / •	• / •
Reverse polarity protection		•	•
Conformity	EMC EEC-direct.	IEC 60947-5-2 : 2004	IEC 60947-5-2 : 2004
EMC		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.45-3.5 Mhz. SNG-###AC...	IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...
Associated equipment			S / Ö NO / NC
Additional functionality			
Application			



1..30		M30	1..30		M30	1..30		M30
Typ / Type	SK1-30-M30-PNBX-PBT-Y2 SK1-30-M30-NNBX-PBT-Y2		Typ / Type	SK1-30-M30-PNBX-VA/PTFE SK1-30-M30-NNBX-VA/PTFE		Typ / Type	SK1-30-M30-PNBX-VA/PTFE-Y2 SK1-30-M30-NNBX-VA/PTFE-Y2	
NB	NB		NB	NB		NB	NB	
1... 30	1... 30		2... 30	2... 30		1... 30	1... 30	
15	15		15	15		15	15	
100	100		100	100		100	100	
5	5		5	5		5	5	
-30... 70	-30... 70		-30... 70	-30... 70		-30... 70	-30... 70	
15 [-5... 55]	15 [-5... 55]		15 [-5... 55]	15 [-5... 55]		15 [-5... 55]	15 [-5... 55]	
A, B: IP 66 / IP 68; C: IP 64	A, B: IP 66 / IP 68; C: IP 64		A, B: IP 66 / IP 67; C: IP 64	A, B: IP 66 / IP 67; C: IP 64		A, B: IP 66 / IP 67; C: IP 64	A, B: IP 66 / IP 67; C: IP 64	
75 d. c.	75 d. c.		75 d. c.	75 d. c.		75 d. c.	75 d. c.	
A: PBT; B: PBT; C: PBT/PE	A: PBT; B: PBT; C: PBT/PE		A: PTFE; B: VA; C: PBT/PE	A: PTFE; B: VA; C: PBT/PE		A: PTFE; B: VA; C: PBT/PE	A: PTFE; B: VA; C: PBT/PE	
DC13	DC13		DC13	DC13		DC13	DC13	
Z20; Z21			2m / 3x 0,34mm ² PUR	2m / 3x 0,34mm ² PUR		Z20; Z21		
10... 35	10... 35		10... 35	10... 35		10... 35	10... 35	
15	15		15	15		15	15	
300	300		300	300		300	300	
1,8	1,8		1,8	1,8		1,8	1,8	
•/•	•/•		•/•	•/•		•/•	•/•	
•/•	•/•		•/•	•/•		•/•	•/•	
•	•		•	•		•	•	
IEC 60947-5-2 : 2004			IEC 60947-5-2 : 2004			IEC 60947-5-2 : 2004		
IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...	IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...	IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...	IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...	
S / Ö NO / NC			S / Ö NO / NC			S / Ö NO / NC		

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
IM pulse modulation technique (high noise immune)

/ FS(A) max sensing distance / Fill-level switch (adaptive)

M30 model and/or dimension

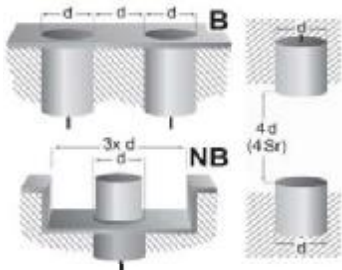
P output stage PNP, NPN, X (switchable)

B mounting B=flush
NB=non-flush

S S=N.O. O=N.C.
X=function switchable

(C)PTFE Housing material, e.g. PTFE
CPTFE=complete PTFE

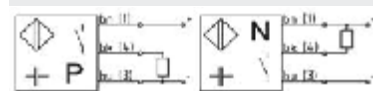
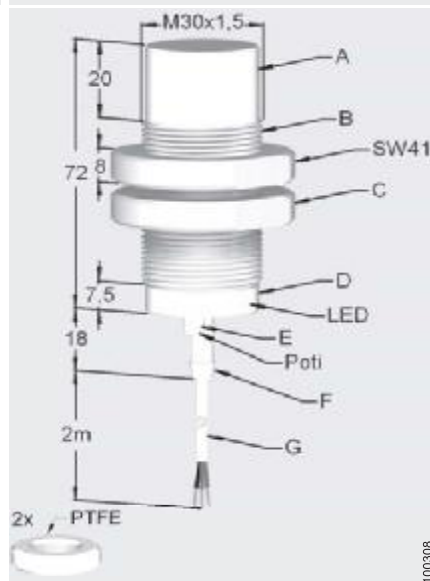
1M2-Y2 cable & connector:
Y2 = connector
1M2 = 1.2m cable length



2...30



M30

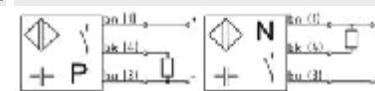
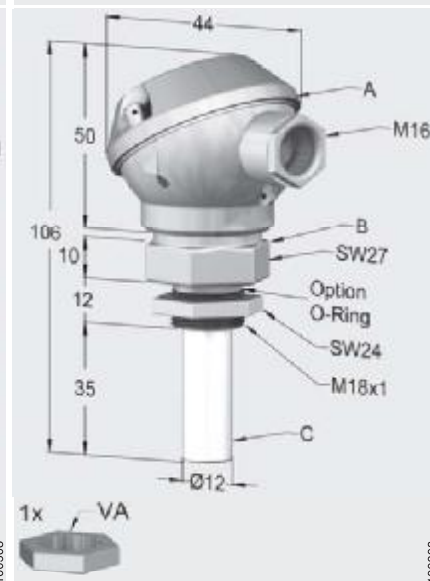


Typ / Type

SK1-30-M30-PNBS-CPTFE
SK1-30-M30-PNBO-CPTFE
SK1-30-M30-NNBS-CPTFE
SK1-30-M30-NNBO-CPTFE



DC
M18



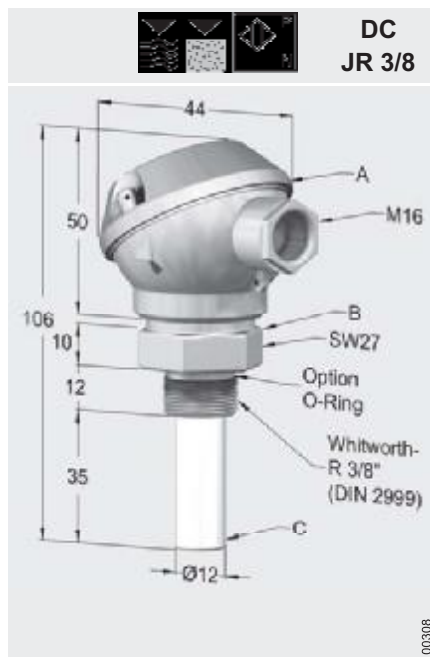
Typ / Type

SK1-HT125-FS-JM18-PS-VA/PTFE
SK1-HT125-FS-JM18-PO-VA/PTFE
SK1-HT125-FS-JM18-NS-VA/PTFE
SK1-HT125-FS-JM18-NO-VA/PTFE

Mounting [flush / nonflush]	[B / NB]	NB	
Operating distance	Sn [mm]	2... 30	
Hysteresis	H [%SR]	10	
Frequency of operating cycles	f [Hz]	100	5
Repeat accuracy	R [%SR]	2	
Operating temperature range	Ta [C°]	-30... 70	-30... 125
Temperature drift [range]	[%SR]	15 [-5... 55]	[-30... 100]LED
Protection class		IP 67	IP 67 / IP 68 - 10 bar
Rated insulation voltage	Ui [V]	75 d. c.	75 d. c.
Material of housing		A-G : PTFE	A: Al-Druckguss; B: V2A; C: PTFE
Utilisation category		DC13	DC13
Connection		2m / 3x 0,2mm ² PTFE	Klemmen
Supply voltage range UB	Ub [V]	10... 35	10... 35
No-load supply current	Iomax. [mA]	10	10
Minimum operational current	Im [mA]		
Operational current	Ie [mA]	300	100
Off-state current	Ir [mA]		200
Voltage drop	Ud @ Ie [V]	1,5	2,7
Time delay before availability	tv [ms]		
Indicator [UB / Output]		- / • LED int.	- / • LED int.
Short circuit- overload-protection		• / •	• / •
Reverse polarity protection		•	•
Conformity	EMC EEC-direct.	IEC 60947-5-2 : 2004	IEC 60947-5-2 : 2004
EMC		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz.	IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 2.3-19.2 Mhz.
Associated equipment		SNG-###AC...	MA-M18/###/10-V2A
Additional functionality			

Application



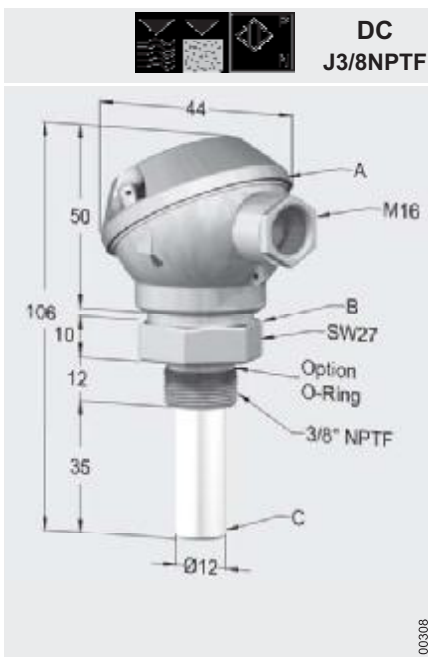


Typ / Type

SK1-HT125-FS-JR3/8-PS-VA/PTFE
SK1-HT125-FS-JR3/8-PO-VA/PTFE
SK1-HT125-FS-JR3/8-NS-VA/PTFE
SK1-HT125-FS-JR3/8-NO-VA/PTFE

5	
-30... 125	[-30... 100]LEC
IP 67 / IP 68 - 10 bar	
75 d. c.	
A: Al-Druckguss; B: V2A; C: PTFE	
DC13	
Klemmen	
10... 35	
10	
100	
200	
2,7	
- / •	LED int.
• / •	
•	
IEC 60947-5-2 : 2004	

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 2.4-19.2 Mhz.
MA-M18/###/10-V2A



Typ / Type

SK1-HT125-FS-J3/8NPTF-PS-VA/PTFE
SK1-HT125-FS-J3/8NPTF-PO-VA/PTFE
SK1-HT125-FS-J3/8NPTF-NS-VA/PTFE
SK1-HT125-FS-J3/8NPTF-NO-VA/PTFE

5	
-30... 125	[-30... 100]LEC
IP 67 / IP 68 - 10 bar	
75 d. c.	
A: Al-Druckguss; B: V2A; C: PTFE	
DC13	
Klemmen	
10... 35	
10	
100	
200	
2,7	
- / •	LED int.
• / •	
•	
IEC 60947-5-2 : 2004	

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.5-0.8 Mhz.
MA-M18/###/10-V2A



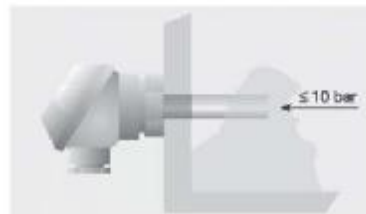
application notes

Sensor applicability

This capacitive level sensor can detect liquids and other pourable products, even when installed in high-temperature surroundings. A sensor of such caliber can be used where there is a difficulty in managing or controlling product flows or levels.

Application examples

Level sensing of nearly all products: viscous medium, grainy materials, powder and liquids.



Adjustment

The device is adjusted using the potentiometer. Note that a mean value between the switch-on and switch-off points of the tripped sensor must be set. In individual cases, when high temperature dynamic response and very adhesive media are involved, a slight re-adjustment may be necessary. The adjustment instructions for non-flush sensors on page 1.09 also apply.

Signal evaluation

The SNG series (page 12.01-12.03) 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. This level sensor can also be run from a PLC.

Terminal connection

