

Sensors for level sensing

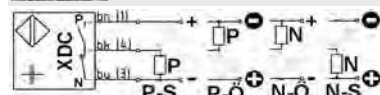
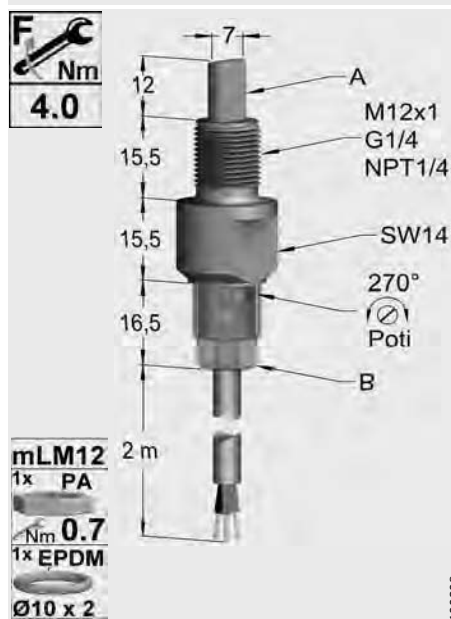
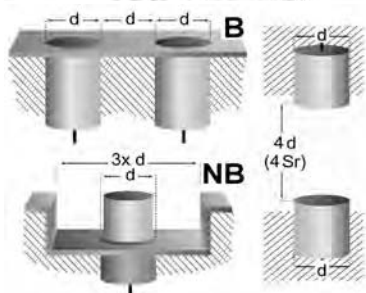
Series SK1 0700/0750

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

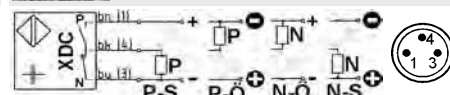
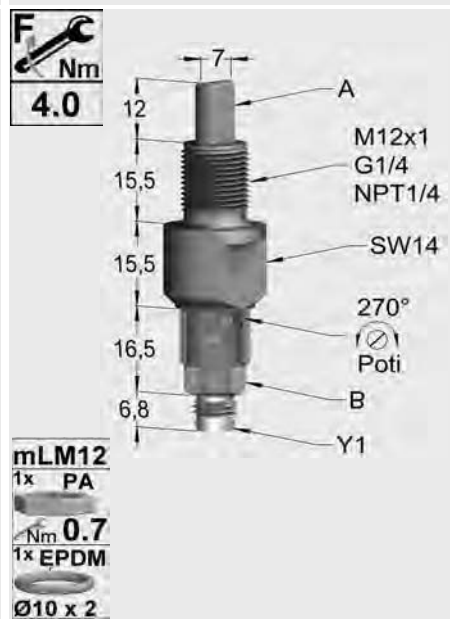


Type code (abstract)

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



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

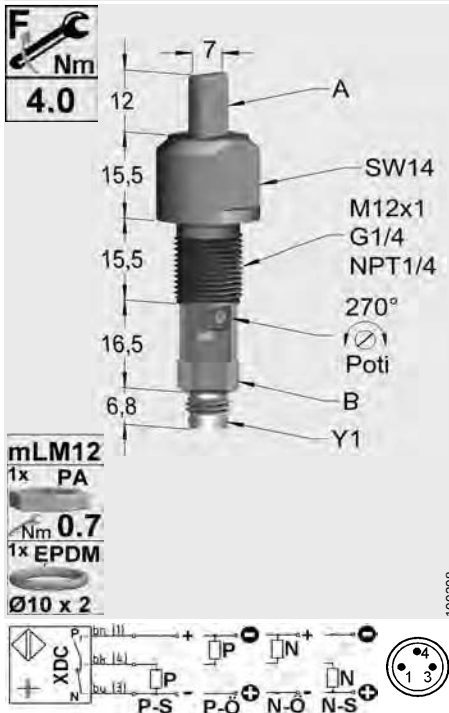


Typ / Type
SK1-FS-MLM12-XDC-PSU-Y1
SK1-FS-MLG1/4-XDC-PSU-Y1
SK1-FS-MLNPT1/4-XDC-PSU-Y1

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			



application notes



Typ / Type

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

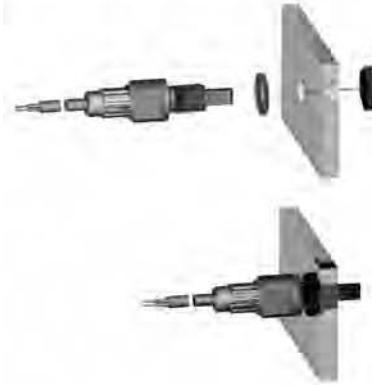
NB
FS
5
-10... 70
A : IP 68 / 10bar; B : IP 64
75 d. c.
PSU
DC13
Z10; Z11
10... 35
20
-
50 / 50 XDC
-
3
< 300
• / •
• / •
!
IEC 60947-5-2 : 2004

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

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.

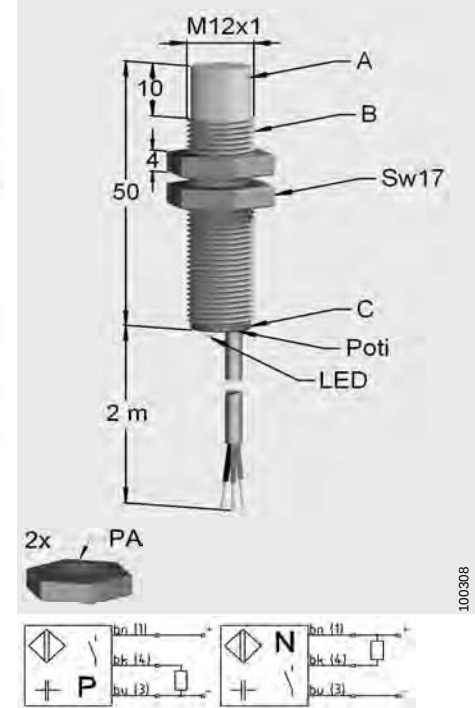
microLEVEL with protective mounting well available in thread size M18 or G 1/2" (see catalog section 13). Probe end fully surrounded by protective cover.



1..8



M12

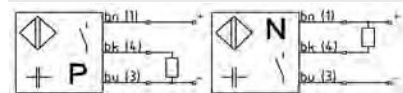
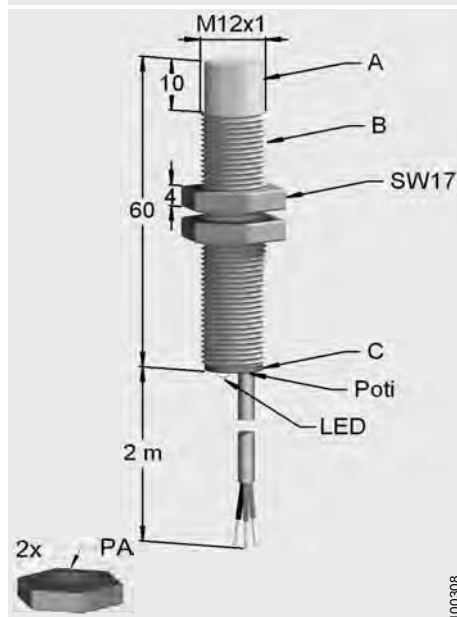


Typ / Type

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...



Typ / Type

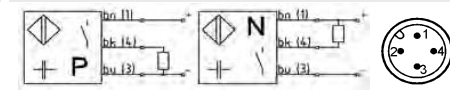
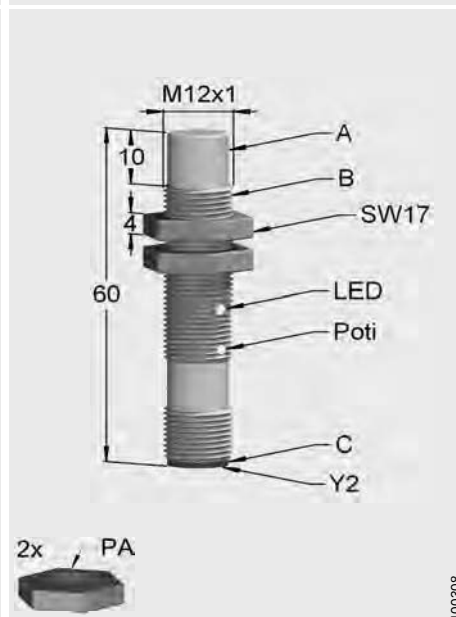
SK1-TM-6-M12/60-PNBS-PVC
SK1-TM-6-M12/60-PNBO-PVC
SK1-TM-6-M12/60-NNBS-PVC
SK1-TM-6-M12/60-NNBO-PVC

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

EMC

Associated equipment
Additional functionality

Application



Typ / Type

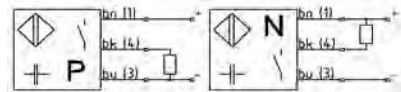
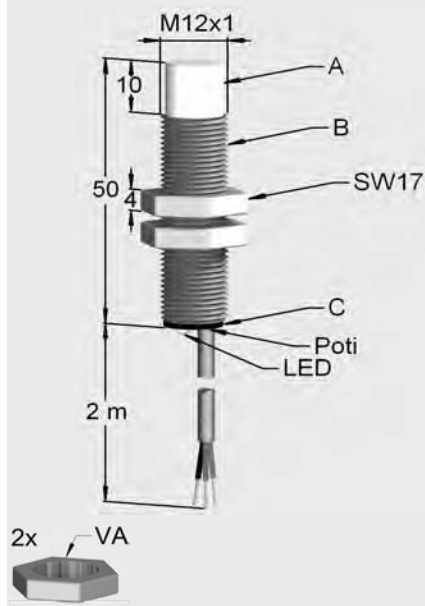
SK1-8-M12-PNBS-PVC-Y2
SK1-8-M12-PNBO-PVC-Y2
SK1-8-M12-NNBS-PVC-Y2
SK1-8-M12-NNBO-PVC-Y2

Mounting [flush / nonflush]	[B / NB]	NB
Operating distance	Sn [mm]	1... 8
Hysteresis	H [%SR]	15
Frequency of operating cycles	f [Hz]	100
Repeat accuracy	R [%SR]	2
Operating temperature range	Ta [C°]	-30... 60
Temperature drift [range]	[%SR]	15 [-5... 55]
Protection class		IP 65
Rated insulation voltage	Ui [V]	75 d. c.
Material of housing		A: PVC; B: PVC; C: PA
Utilisation category		DC13
Connection		Z20; Z21
Supply voltage range UB	Ub [V]	12... 35
No-load supply current	Iomax. [mA]	10
Minimum operational current	Im [mA]	
Operational current	Ie [mA]	200
Off-state current	Ir [mA]	
Voltage drop	Ud @ Ie [V]	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 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.25-1,8 Mhz.
SNG-###AC...



1..8

**M12****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 0,14mm² PUR

12... 35

10

200

0,8

- / •

• / •

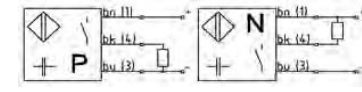
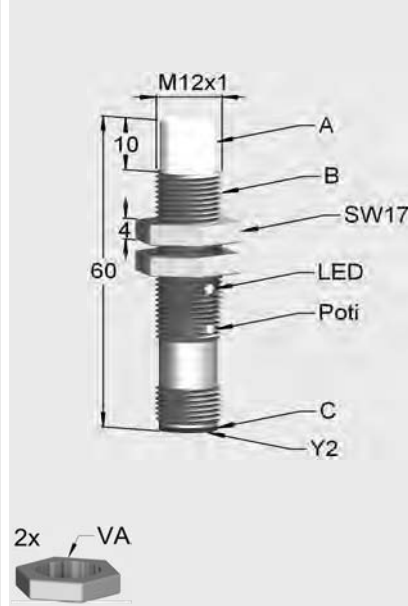
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IEC 60947-5-2 : 2004



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

1..8

**M12****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

- / •

• / •

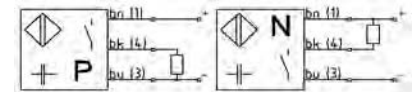
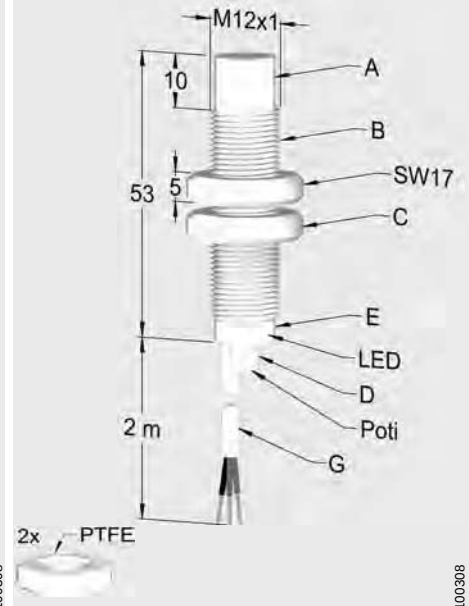
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IEC 60947-5-2 : 2004



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

1..8

**M12****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 0,2mm² PTFE

12... 35

10

200

0,8

- / •

• / •

•

IEC 60947-5-2 : 2004

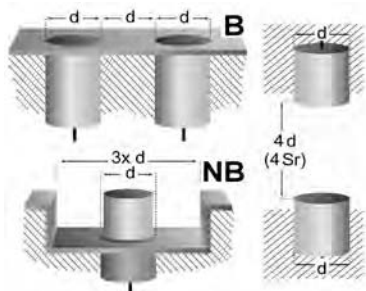


IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.2-1.9 Mhz.
 SNG-###AC...



Type code (abstract)

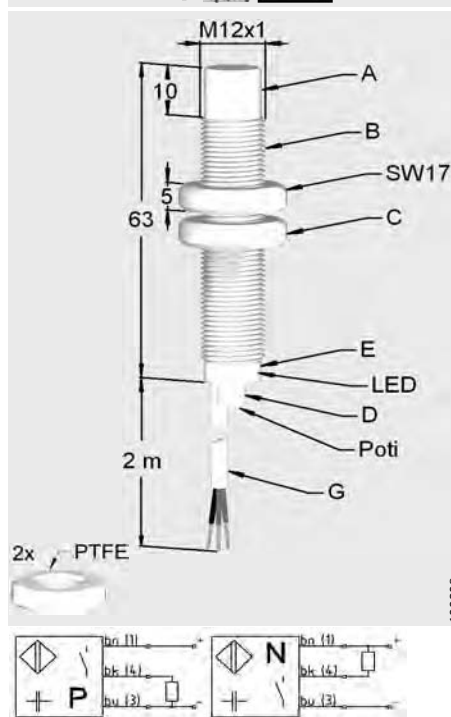
SK	sensor capacitive, w/o amplifier
SKF	sensor cap., w/o amplifier, flexible
SK1	sensor capacitive, self-contained
SV(D)	sensor amplifier (dynamic)
SNG	sensor power pack
HT###	high temperature use
TM	pulse modulation technique (High noise immune)
## / FS(A)	max sensing distance / Fill-level switch (adaptive)
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
1M2-Y2	cable & connector: Y# = connector 1M2 = 1.2m cable length



1..6



M12



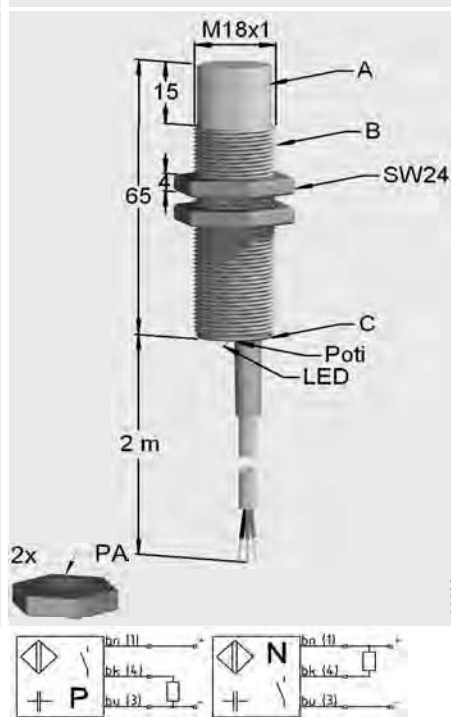
Typ / Type

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

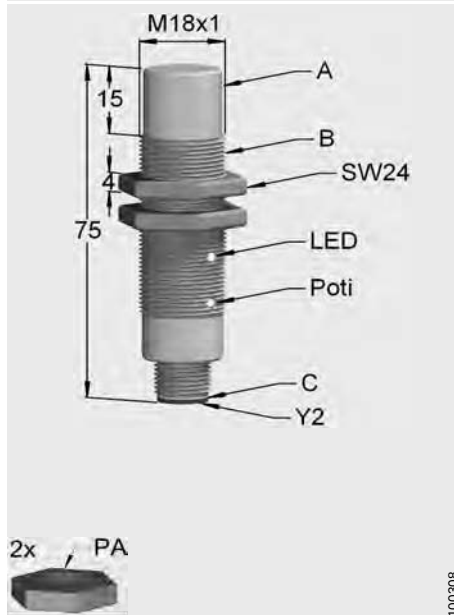
Application

SNG-###AC...



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

2..15

**M18****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

- / •

• / •

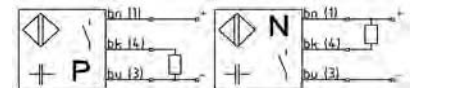
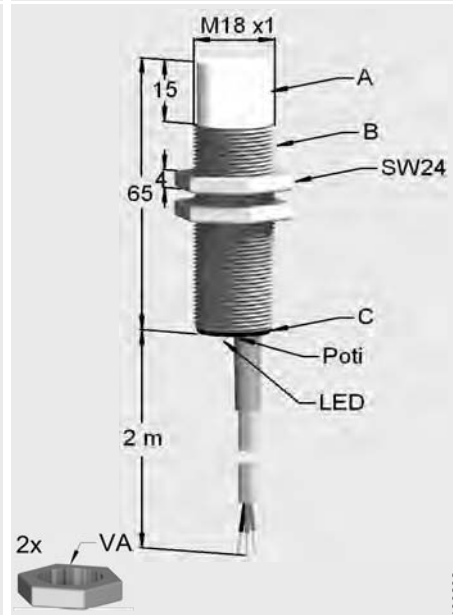
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IEC 60947-5-2 : 2004



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

2..15

**M18****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 0,25mm² PVC

10... 35

10

300

1,5

- / •

• / •

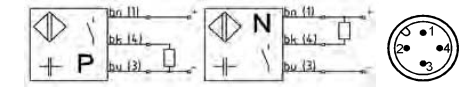
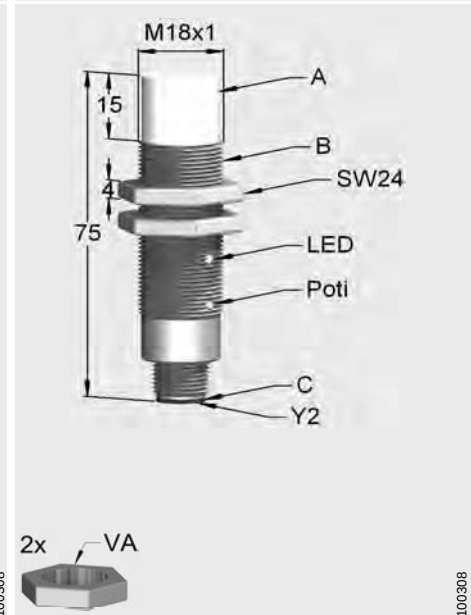
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IEC 60947-5-2 : 2004



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

2..15

**M18****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

- / •

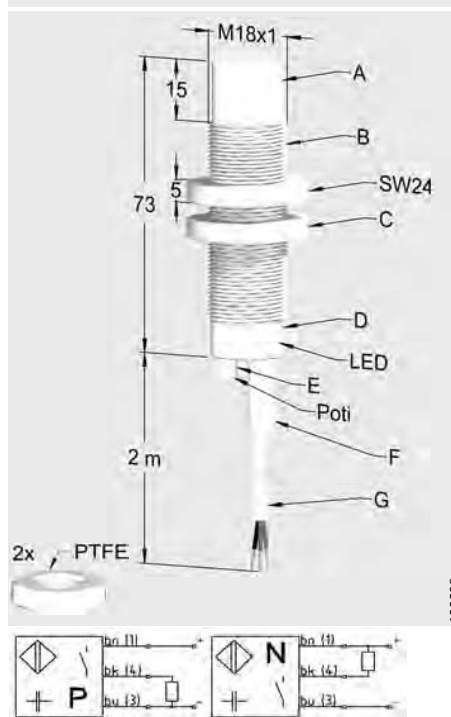
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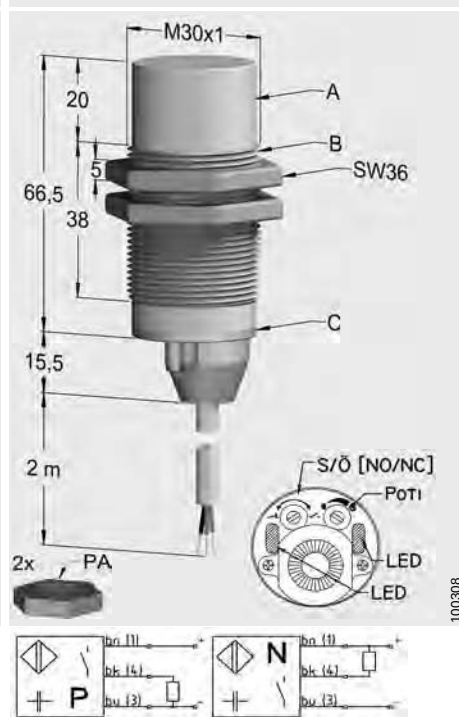
IEC 60947-5-2 : 2004



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



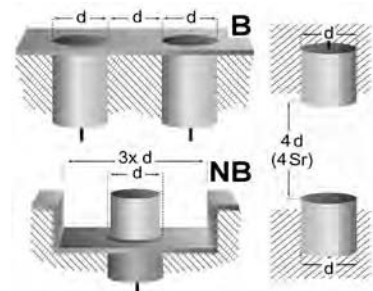
Typ / Type
SK1-15-M18-PNBS-CPTFE
SK1-15-M18-PNBO-CPTFE
SK1-15-M18-NNBS-CPTFE
SK1-15-M18-NNBO-CPTFE



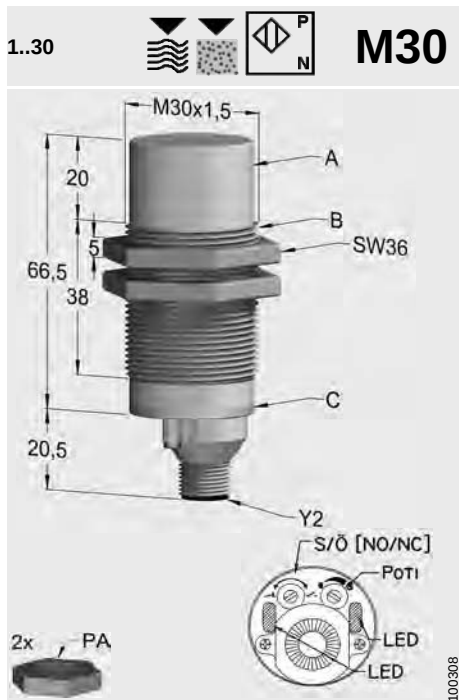
Typ / Type
SK1-30-M30-PNBX-PBT
SK1-30-M30-NNBX-PBT

Type code (abstract)

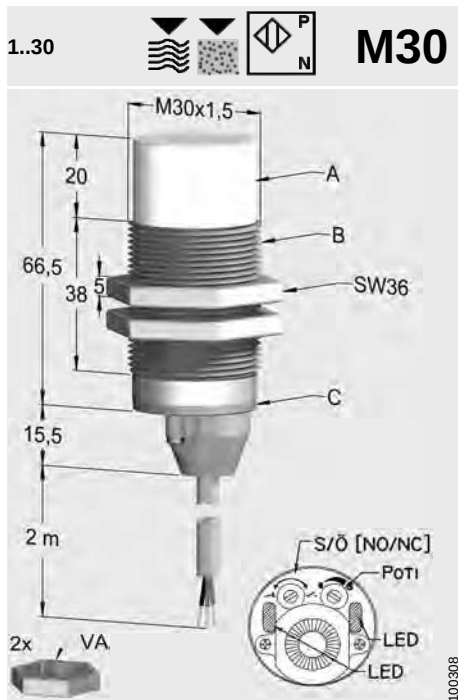
SK sensor capacitive, w/o amplifier
SKF sensor cap., w/o amplifier, flexible
SK1 sensor capacitive, self-contained
SV(D) sensor amplifier (dynamic)
SNG sensor power pack
HT### high temperature use
TM pulse modulation technique (High noise immune)
/ FS(A) max sensing distance / Fill-level switch (adaptive)
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: Y# = connector 1M2 = 1.2m cable length



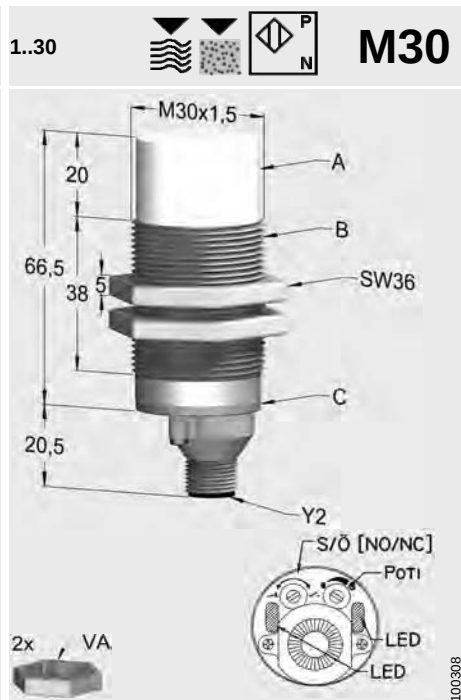
Mounting [flush / nonflush]		[B / NB]		NB		NB	
Operating distance	Sn	[mm]		2... 15		1... 30	
Hysteresis	H	[%SR]		15		15	
Frequency of operating cycles	f	[Hz]		100		100	
Repeat accuracy	R	[%SR]		2		5	
Operating temperature range	Ta	[C°]		-30... 70		-30... 70	
Temperature drift [range]		[%SR]		15 [-5... 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	CE	IEC 60947-5-2 : 2004	CE
EMC				IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.45-3.5 Mhz.		IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz.	
Associated equipment				SNG-###AC...		SNG-###AC...	
Additional functionality						S / O NO / NC	
Application							



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
1... 30
15
100
5
-30... 70
15 [-5... 55]
A, B: IP 66 / IP 68; C: IP 64
75 d. c.
A: PBT; B: PBT; C: PBT/PE
DC13
Z20; Z21
10... 35
15
300
1,8
•/•
•/•
•
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...

S / Ö NO / NC



NB
2... 30
15
100
5
-30... 70
15 [-5... 55]
A, B: IP 66 / IP 67; C: IP 64
75 d. c.
A: PTFE; B: VA; C: PBT/PE
DC13
2m / 3x 0,34mm ² PUR
10... 35
15
300
1,8
•/•
•/•
•
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...

S / Ö NO / NC

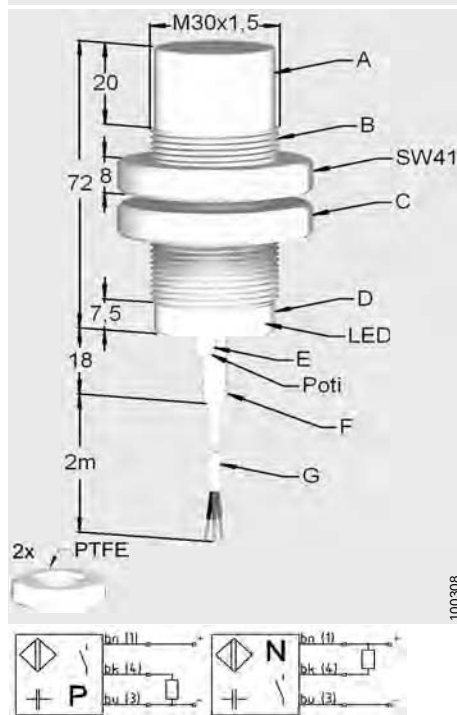


NB
1... 30
15
100
5
-30... 70
15 [-5... 55]
A, B: IP 66 / IP 67; C: IP 64
75 d. c.
A: PTFE; B: VA; C: PBT/PE
DC13
Z20; Z21
10... 35
15
300
1,8
•/•
•/•
•
IEC 60947-5-2 : 2004

IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-###AC...

S / Ö NO / NC



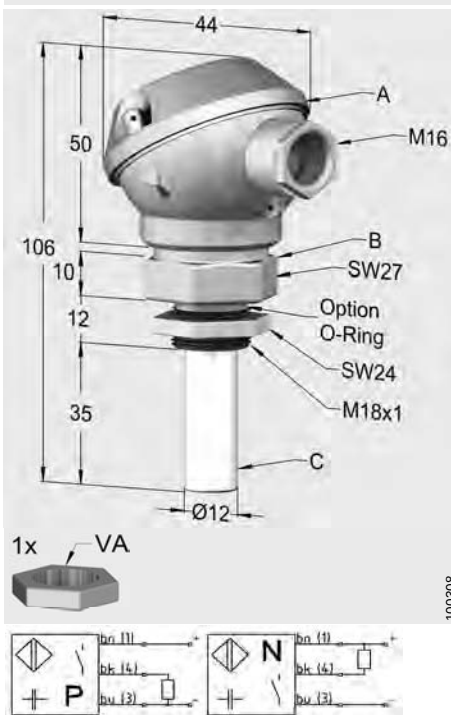
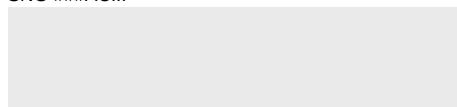


Typ / Type
 SK1-30-M30-PNBS-CPTFE
 SK1-30-M30-PNBO-CPTFE
 SK1-30-M30-NNBS-CPTFE
 SK1-30-M30-NNBO-CPTFE

Mounting [flush / nonflush]	[B / NB]	NB
Operating distance	Sn [mm]	2... 30
Hysteresis	H [%SR]	10
Frequency of operating cycles	f [Hz]	100
Repeat accuracy	R [%SR]	2
Operating temperature range	Ta [C°]	-30... 70
Temperature drift [range]	[%SR]	15 [-5... 55]
Protection class		IP 67
Rated insulation voltage	Ui [V]	75 d. c.
Material of housing		A-G : PTFE
Utilisation category		DC13
Connection		2m / 3x 0,2mm ² PTFE
Supply voltage range UB	Ub [V]	10... 35
No-load supply current	Iomax. [mA]	10
Minimum operational current	Im [mA]	
Operational current	Ie [mA]	300
Off-state current	Ir [mA]	
Voltage drop	Ud @ Ie [V]	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

EMC IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 0.15-4.1 Mhz. SNG-####AC...

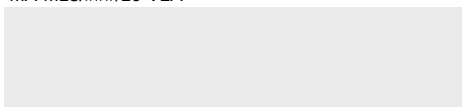


Typ / Type
 SK1-HT125-FS-JM18-PS-VA/PTFE
 SK1-HT125-FS-JM18-PO-VA/PTFE
 SK1-HT125-FS-JM18-NS-VA/PTFE
 SK1-HT125-FS-JM18-NO-VA/PTFE

Mounting [flush / nonflush]	[B / NB]	NB
Operating distance	Sn [mm]	2... 30
Hysteresis	H [%SR]	10
Frequency of operating cycles	f [Hz]	100
Repeat accuracy	R [%SR]	2
Operating temperature range	Ta [C°]	-30... 125
Temperature drift [range]	[%SR]	15 [-5... 55]
Protection class		IP 67 / IP 68 - 10 bar
Rated insulation voltage	Ui [V]	75 d. c.
Material of housing		A: Al-Druckguss; B: V2A; C: PTFE
Utilisation category		DC13
Connection		Klemmen
Supply voltage range UB	Ub [V]	10... 35
No-load supply current	Iomax. [mA]	10
Minimum operational current	Im [mA]	
Operational current	Ie [mA]	100
Off-state current	Ir [mA]	200
Voltage drop	Ud @ Ie [V]	2,7
Time delay before availability	tv [ms]	
Indicator [UB / Output]		- / • LED int.
Short circuit- overload-protection		• / •
Reverse polarity protection		•

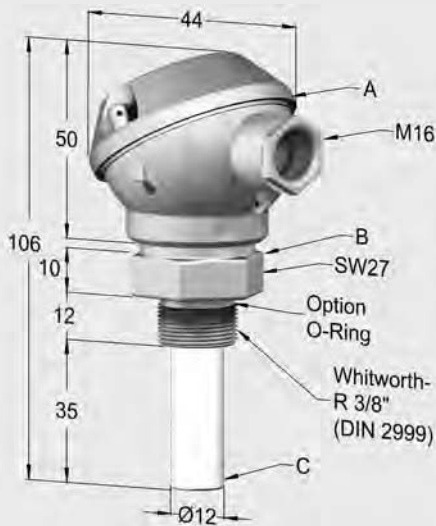
Conformity EMC EEC-direct. IEC 60947-5-2 : 2004

EMC IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 2.3-19.2 Mhz. MA-M18/####10-V2A

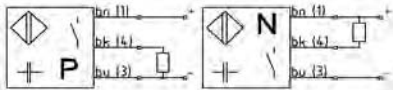




DC
JR 3/8



100308



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]LED

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.

• / •

•

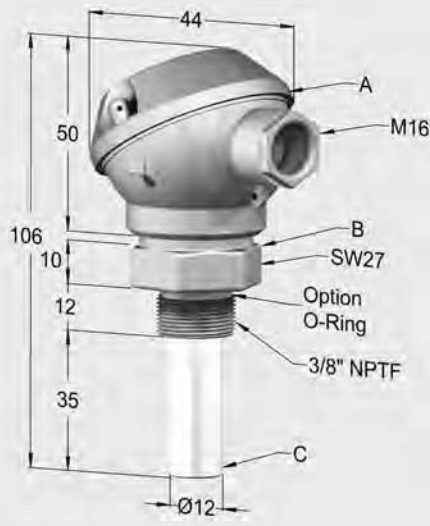
IEC 60947-5-2 : 2004



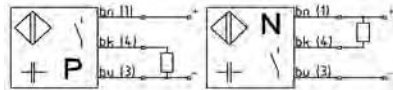
IEC 61000-4-6 (Testlevel 3V) Functional errors may occur in partition of working frequency 2.4-19.2 Mhz.
MA-M18/###/10-V2A



DC
J3/8NPTF



100308



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]LED

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

