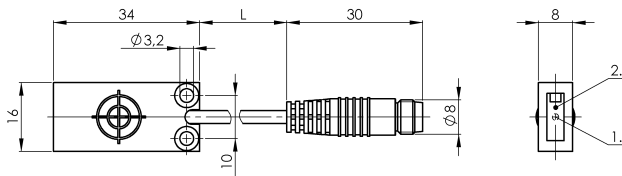
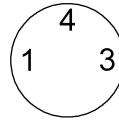


SK1-FSA-34/16/8-PBO-PP-M2/Y1

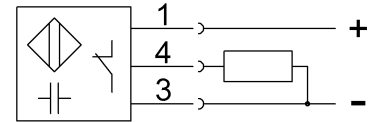
Ordercode: CS008N



Connector view



Wiring Diagram



1) Potentiometer 2) LED function indicator



### Electrical connection

Cable length	0.2 m
Connection	M8x1-Connector, 3-pole
Connection type	Cable with connector, 0.20 m, PUR
Polarity reversal protected	yes
Short-circuit protection	yes

### Electrical data

MTTF (40 °C)	462 a
Operating voltage $U_b$	12...30 VDC
Protected against miswiring	yes
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$ DC	50 mA
Ready delay $t_v$ max.	100 ms
Repeat accuracy max. (% of $S_r$ )	5.0 %
Switching frequency	2 Hz
Utilization category	DC-13
Voltage drop static max.	1.5 V

### Environmental conditions

Ambient temperature	-30...70 °C
Protection type IEC 60529	IP67

### Functional safety

Diagnostic coverage	0 %
Functional safety	no

### General data

Approval/Conformity	cULus;CE
Basic standard	IEC 60947-5-2
Scope of delivery	Holder
Sensitivity	media-dependent, adjustable
Series	Level sensor

### Material

Cover material	PP
Housing material	PP
Material cover	PP
Material jacket	PUR
Material sensing surface	PP

### Mechanical data

Dimension	34 x 16 x 8 mm
Installation	flush with container outer wall

### Output/Interface

Switching output	PNP Normally closed (NC)
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### Range/Distance

Ripple max. (% of $U_e$ )	10 %
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### Remarks

Note for using in standard applications with aqueous media: The Smart Level sensors are factory adjusted for standard applications. With this setting the Smart Level sensors can be used without further adjustment for detecting