

Capacitive proximity switches are used for controlling bulk materials and liquids. They can filling levels through a non-metallic container wall.

Depending on the application the sensor is adjusted to the material in question by actuating push-buttons. Thanks to the microprocessor integrated comfortable handling with externally connected push-buttons is possible.

Technical Data

Type	KKRH 035.23 G
Art.-Nr.	1056B
Rated operating distance (Sn)	35 mm
Output	PNP normally open
Operating distance adjustable	Yes, two push-buttons
Target steel St37 or water	105 x 105 mm
Location at metal	non-flush mount
Supply voltage (U _B)	24 V DC
Ripple voltage	max. 15 %
Load current max.	0 - 400 mA
Short-time load current	0,8 A / 100 ms 2 A / 10 ms
No-load current (I ₀)	15 mA
Voltage drop (U _d)	2 V
Operating frequency (f)	2 Hz
switching hysteresis (H)	1 - 15 %
Ambient temperature	-25 to +70 °C
Protection class	IP 65
Connection	5 m cable
Housing material	plastic

Programming of the Switching Point

Keep both external push-buttons pressed until the LED gives intermittent light. After release of the push-button the output is under voltage; the LED gives light.

- 1.1 with filled container: The switching point programmed in such a way includes an optimum safety margin for operation. If there is no trouble-free operation, the switching point can be changed step by step.
- 1.2 with empty container: the sensor programmed in this way is connected through also without dampening. Thereafter the switching point is to be brought into a safe mode by pressing the push-button (<) for 6 times.

Step-by-step modification of the switching point:

Keep push-button for step-by-step reduction (<) resp. increase (>) of the switching distance pressed for approx. 1 second until the LED gives intermittent light; if required this proceeding is to be repeated.

Teach - In
Function

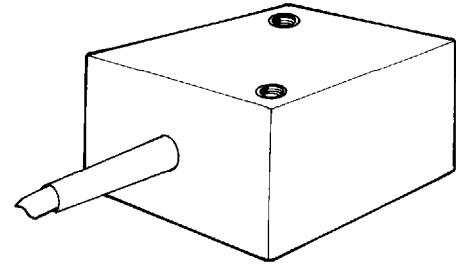


Diagram of Connections

