

KB32A416

CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

Capacitive proximity switches are contact-free sensors. They detect metallic and non-metallic objects, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material, its dimensions and the response sensitivity, which is set via a potentiometer. The vibration-resistant sensors can be approached laterally or frontally. Capacitive proximity switches are used for presence detection (e.g. sealing detection), positioning (e.g. PET bottles), counting (e.g. plastic caps), level detection (e.g. lubricant) or distance measurements (e.g. thickness measurement) of solid and liquid materials.

MECHANICAL DATA

Ambient temperature	-25 °C ... 70 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing design	Cylinder, screw-thread
Housing material	PA/PPO
Mechanical mounting condition for sensor	Flush
Number of wires	2
Pressure-proof	No
Sensor length	70 mm
Thread pitch	1.5 mm
Thread size, metric	32
Wire cross section	0.75 mm ²

ELECTRICAL DATA

Cascadable	No
Max. output current	500 mA
Suitable for safety functions	No
Supply voltage	20 V ... 250 V
Switching distance	15 mm
Type of electrical connection	Cable
Type of switching function	Change-over contact
Voltage type	AC/DC
With monitoring function of downstream devices	No

OTHER DATA

Level detection of synthetic granules for injection molding machines	Yes
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DIMENSIONAL DRAWING

INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!