

KN400300**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

Degree of protection (IP)	IP65
Housing design	Cuboid
Housing material	PA
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	No
Sensor height	40 mm
Sensor length	120 mm
Sensor width	40 mm

ELECTRICAL DATA

Cascadable	No
Max. output current	400 mA
No-load current	20 mA
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable for safety functions	No
Switching distance	30 mm
Switching frequency	40 Hz
Type of electrical connection	Clamp
Type of switching output	PNP
Voltage drop	3 V
Voltage type	DC
With monitoring function of downstream devices	No

DIMENSIONAL DRAWING**INSTALLATION****DISPOSAL**



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



SAFETY WARNINGS

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