

KVKB0450

CAPACITIVE SENSORS • ENLARGED AMBIENT TEMPERATURE

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)	IP54
Depth	60 mm
Device design	Field device
Height	120 mm
Housing design	Cuboid
Housing material	ABS
Mounting method	Other
Width	120 mm

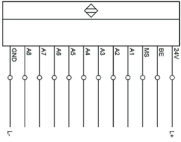
ELECTRICAL DATA

Amplifier for capacitive sensors	Yes
No-load current	120 mA
Number of channels	4
Number of output circuits, transistor exclusive-OR	4
Output version	Static
Rated supply voltage at DC	18 V ... 36 V
Switching current	0.4 A
Switching voltage	24 V
Switching voltage DC	24 V
Type of electrical connection	Clamp
Type of switching function	Anticoincidence
Type of voltage supply	Active
With LED display	Yes

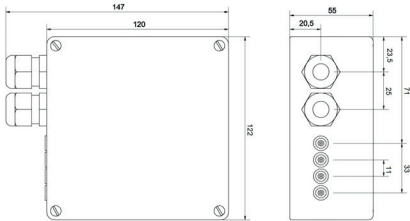
OTHER DATA

Operating temperature	-25 °C ... 55 °C
-----------------------	------------------

CONNECTION



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!