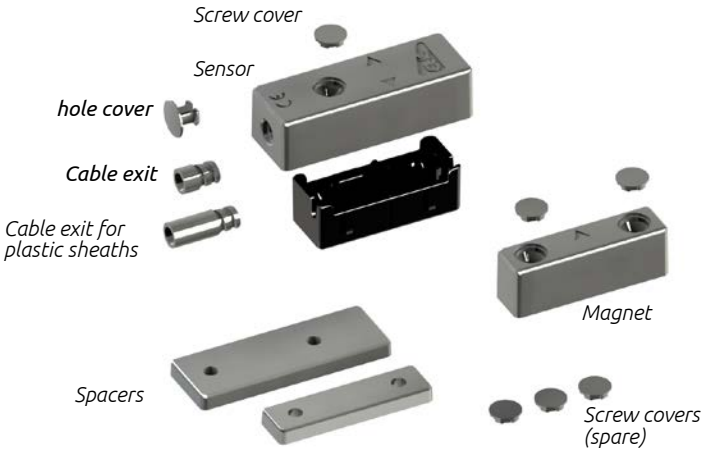
High security anti-masking magnetic contacts: CLH-300-M models

1. TECHNICAL FEATURES

* Based on patented Magnasphere® technology, used under license
* Dimensions in mm magnet/sensor (l x h x d): 64 x 22.5 x 22.5 magnet: 51.5 x 14.3 x 22
* 3 pos. screw terminal block:
  * TMP: not used
  * COM: common
  * SW: primary contact
* Electrical parameters: (max., per circuit): 30VDC, 250mA, 0.25W
* Fiber-glass reinforced nylon case.

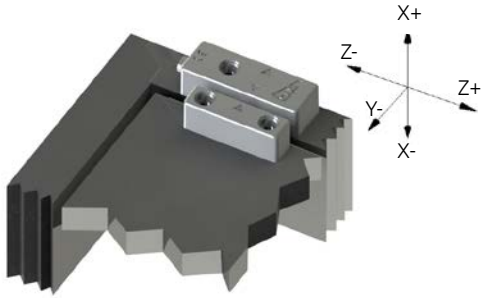
2. PACKAGE CONTENTS



3. PREPARING THE SENSOR FOR INSTALLATION

* The cable can exit from the back side or alternatively can exit laterally.
* You can protect the cable with:
  * the short cable exit;
  * a plastic, 8mm internal diameter sheath which will fit exactly the long cable exit accessory;
  * the stainless steel, recinforced sheath TSec part no. CLH-2G.
* Screw the sensor using only the opposite hole to the exit cable side.
* Place the fiber-glass reinforced nylon case.
* Screw the second securing screw of the sensor.

4. IN-LINE INSTALLATION: WORKING GAPS IN mm

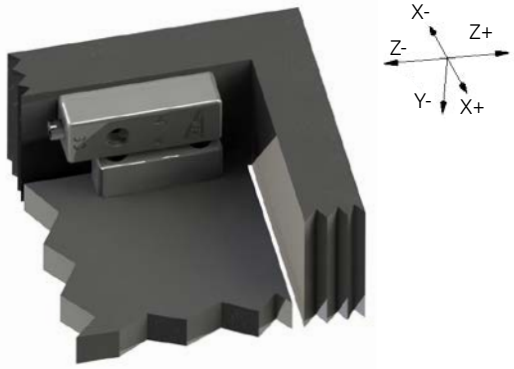


* Mount sensor and magnet as shown in the picture above.
* Note that screw caps are anti-tamper, and should be positioned only after testing is complete.
* To obtain a maximum security installation, it is recommended to minimise the operating distance between sensor and magnet.

Axis	Action	Dist. no iron	Dist. iron
Z+	Removal	17*	17*
	Approach	15*	15*
Z-	Removal	19*	19*
	Approach	17*	17*
X+	Removal	17*	16*
	Approach	15*	14*
X-	Removal	17*	16*
	Approach	15*	15*
Y-	Removal	26	25
	Approach	18	18

**Considered at nominal distance D=8mm*

5. RIGHT-ANGLED INSTALLATION: WORKING GAPS IN mm



* Mount sensor and magnet as shown in the picture above.
* Note that screw caps are anti-tamper, and should be positioned only after testing is complete.
* To obtain a maximum security installation, it is recommended to minimise the operating distance between sensor and magnet.

Z+	Removal	16*	17*
	Approach	15*	15*
Z-	Removal	19*	19*
	Approach	17*	16*
X+	Removal	19*	17*
	Approach	14*	13*
X-	Removal	20*	18*
	Approach	15*	15*
Y-	Removal	27	26
	Approach	16	15

**Considered at nominal distance D=8mm*

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6. SECURITY RECOMMENDATIONS

* Note that screw caps are anti-tamper, and should be positioned only after testing is complete.
* If necessary, use the supplied 5mm spacers to better align sensor and magnet.
* **Note that there is no minimum operating gap: you can install magnet and sensor as close to each other as needed.**
* To obtain a maximum security installation, it is recommended to minimise the operating distance between sensor and magnet.

7. OPTIONAL ACCESSORIES

* For maximum security, we recommend installing the reinforced, stainless steel sheath part no. **CLH-2G10**.

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