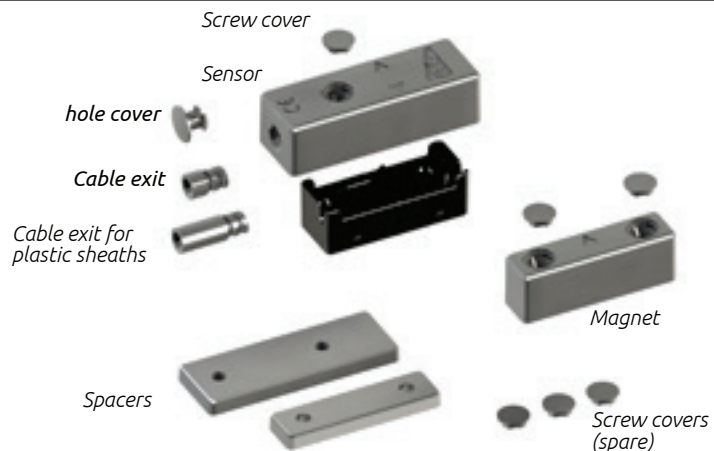


## 1. TECHNICAL FEATURES

- \* 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
- \* Version CLH-300-M-r with double integrated balancing
- \* Electrical parameters: (max., per circuit): 30VDC, 250mA, 0.25W
- \* Fiber-glass reinforced nylon case.
- \* Certification IMQ: Grade 2, Environmental Class II - EN50131-2-6

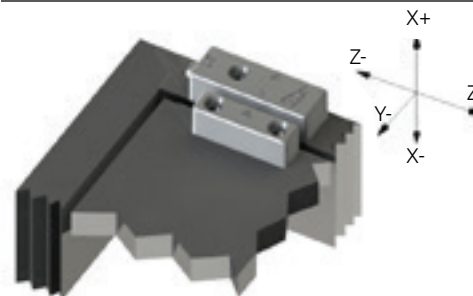
## 2. PACKAGE CONTENTS



## 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, reinforced 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



### Mounting distance

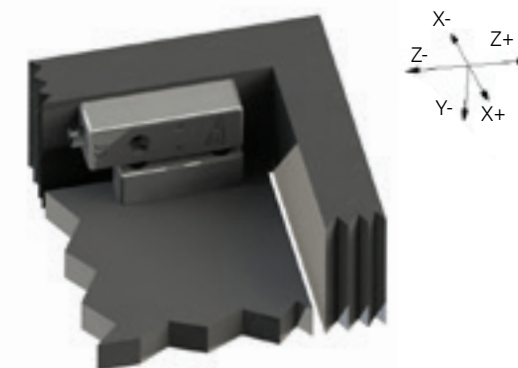
Axis	Iron Mount.	No iron Mount.
Z	<=10mm	<=10mm
X	<=10mm	<=10mm
Y	<=7mm	<=15mm

### Activation distance

Axis	Iron Mount.	No iron Mount.
Z	(22+9)mm	(20+9)mm
X	(22+9)mm	(20+9)mm
Y	(17+10)mm	(20+9)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.

## 5. RIGHT-ANGLED INSTALLATION: WORKING GAPS



### Mounting distance

Axis	Iron Mount.	No iron Mount.
Z	<=10mm	<=10mm
X	<=10mm	<=10mm
Y	<=10mm	<=10mm

### Activation distance

Axis	Iron Mount.	No iron Mount.
Z	(22+9)mm	(21+10)mm
X	(22+9)mm	(21+10)mm
Y	(22+9)mm	(21+10)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.



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



### 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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