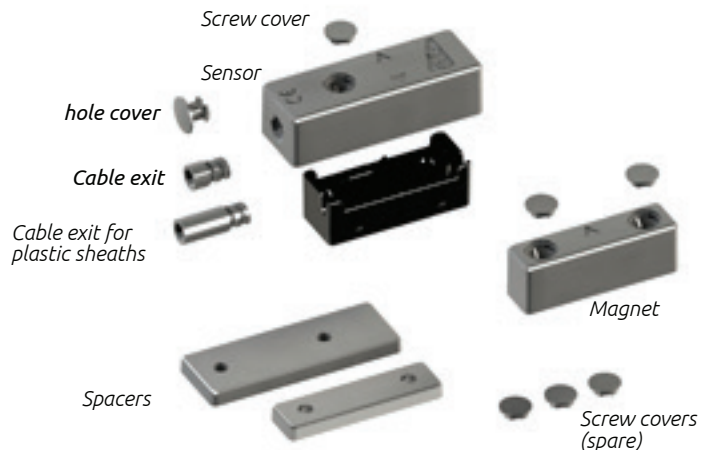


1. TECHNICAL FEATURES

- * 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
- * 4-wire flying lead:
 - * WHITE/RED: primary contact, closed with magnet in secure position.
 - * YELLOW/GREEN: tamper pass through.
- * 2-wire flying lead for models with integrated EOL resistors: white/red (CLH-300-r)
- * Electrical parameters: (max., per circuit): 30VDC, 250mA, 0.25W
- * Fiber-glass reinforced nylon case.
- * Fully potted
- * Certification IMQ:

CLH-300	Grade 2, Environmental Class IV
CLH-300-r	Grade 3, Environmental Class IV

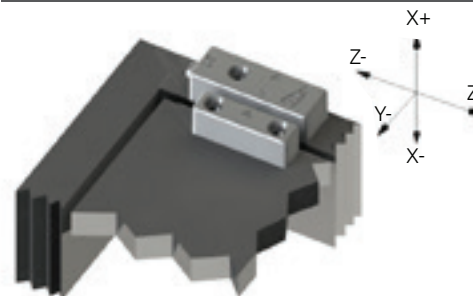
2. PACKAGE CONTENTS



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

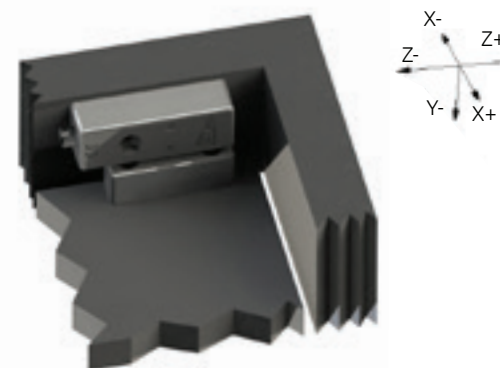
Axis	Iron Mount.	No iron Mount.
Z	<=10mm	<=10mm
X	<=10mm	<=10mm
Y	<=7mm	<=15mm

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 models, surface mount, fully potted, flying lead



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**.



TSEC S.p.A.
www.tsec.it
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CLH-300

EN50131-2-6
GR. 2 Cl. IV

CLH-300-r

EN50131-2-6
GR. 3 Cl. IV



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