# Magnetic contact

**Door/window flush-mounted contact in aluminium, wooden or PVC**
**ZACWDF1W / ZACWDF1B / ZACWDF1G**

**Technical Documentation**

## FEATURES

- Flush-mounted in doors and windows.
- Built in ABS.
- Available colours:
  - White (ref. ZACWDF1W)
  - Brown (ref. ZACWDF1B)
  - Grey (ref. ZACWDF1G)
- Dimensions Magnet : Ø11 x 19 mm
  Contact: Ø11 x 28 mm
- Normally-open contact (when the magnet is not present).
- Conformity with the CE, UKCA directives (marks on packaging).

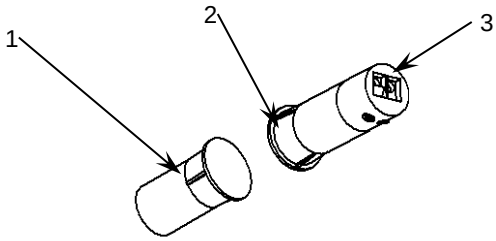


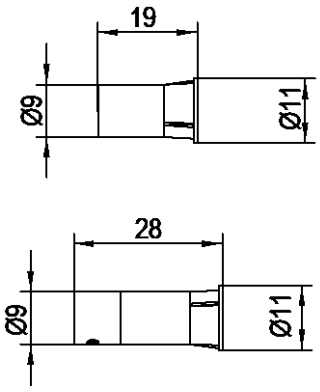

Figure 1. Magnetic contact

| **1**. Magnet | **2**. Contact | **3**. Connection terminal block |
|---|---|---|

| **GENERAL SPECIFICATIONS** | |
|---|---|
| **CONCEPT** | **DESCRIPTION** |
| Type of device | Electric operation control device |
| Operation temperature | -15 .. +40 ºC |
| Storage temperature | -20 .. +55 ºC |
| Operation humidity | 5 .. 95% RH (no condensation) |
| Storage humidity | 5 .. 95% RH (no condensation) |
| Complementary characteristics | Class B |
| Protection class | II |
| Operation type | Continuous operation |
| Device action type | Type 1 |
| Electrical stress period | Long |
| Degree of protection | IP20, clean environment |
| Installation | Flush-mounted in doors and windows. |
| Weight | 6 g |
| Housing material | ABS |

| **CONTACT SPECIFICATIONS AND CONNECTIONS** | |
|---|---|
| **CONCEPT** | **DESCRIPTION** |
| Contact options | Normally Open (when the magnet is not present) |
| Maximum voltage | 100 V |
| Maximum current | 0.5 A |
| Maximum power | 10 W |
| Maximum gap between magnet and contact | 15 mm |
| Output type | Potential-free contact |
| Connection method | Screw terminal block |
| Cable cross-section | 0.5-1 mm² (26-16 AWG) |
| Minimum switching cycles | 100000 |

## DIMENSIONS (mm)




## ASSEMBLY DIAGRAM

1. Drill a ø9mm hole on the edge of the door and fit the magnet in by means of pressure.
2. Drill another ø9mm hole on the door frame in front of the previous one.
3. Recover the wiring through the frame hole and connect it to the device.
4. Fit the contact in the door frame by means of pressure.
5. Check that the contact works correctly by measuring the continuity while opening/closing the door.

## SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use. It must not be hit.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at http://zennio.com/weee-regulation.

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