

Datasheet - BN 75-11Z-1391

Magnetic reed switch / BN 75

 Preferred typ

- with Pre-wired cable
- Non-contact principle
- 1 Reed kontakts
- Long life
- 80 mm x 99,5 mm x 55 mm
- Float switch
- Thermoplastic enclosure
- Available with M12 plug-in connector and pre-wired cable

(Minor differences between the printed image and the original product may exist!)

Ordering details

| | |
|--------------------------|----------------|
| Product type description | BN 75-11Z-1391 |
| Article number | 101055702 |
| EAN code | 4030661008998 |

Approval

| | |
|----------|---|
| Approval | - |
|----------|---|

Global Properties

| | |
|--|---|
| Product name | BN 75 |
| Standards | IEC/EN 60947-5-1 |
| Compliance with the Directives (Y/N)  | Yes |
| Active principle | Magnetic drive |
| Materials | |
| - Material of the housings | Plastic, glass-fibre reinforced thermoplastic |
| - Material of the active surface | Plastic |
| Housing construction form | Special construction |
| Weight | 132 g |

Mechanical data

| | |
|---------------------------------|--|
| Design of electrical connection | Pre-wired cable |
| Mechanical life | 1.000.000.e+9 operations |
| Electrical lifetime | 1.000.000 operations ... 1.000.000.e+9 operations operations |
| hysteresis | approx. 3 mm |
| Type of actuation | Magnet |
| restistance to shock | - |
| Bounce duration | max. 0,2 ms ... 0,5 ms |
| Latching (Y/N) | No |
| bias magnet (Y/N) | No |

Ambient conditions

| | |
|----------------------------------|--------|
| Ambient temperature | |
| - Min. environmental temperature | -25 °C |
| - Max. environmental temperature | +80 °C |
| Protection class | IP67 |

Electrical data

| | |
|-------------------------------|--|
| Design of control element | Normally open contact (NO) / Opener (NC) |
| Number of change-over contact | 1 |
| Number of shutters | 1 piece |
| Number of openers | 1 piece |
| Voltage type | VAC |
| Dielectric strength | > 350 VAC (50 Hz) |
| Switching voltage | max. 220 VAC |
| Switching current | max. 1 A |
| Switching capacity | max. 60 VA / W |

Outputs

| | |
|--------------------------|---------------|
| Design of control output | Reed kontakts |
|--------------------------|---------------|

LED switching conditions display

| | |
|--|----|
| LED switching conditions display (Y/N) | No |
|--|----|

ATEX

| | |
|---|------|
| Explosion protection categories for gases | None |
| Explosion protected category for dusts | None |

Dimensions

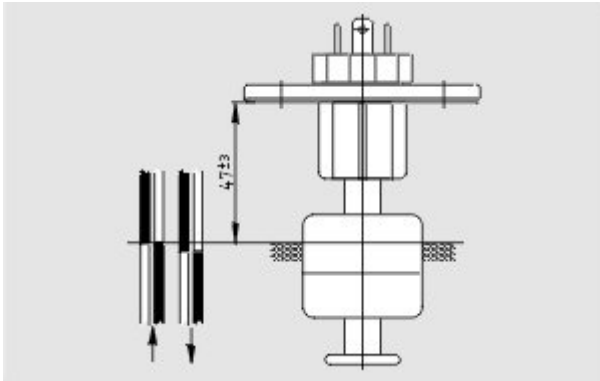
| | |
|--------------------------|---------|
| Dimensions of the sensor | |
| - Width of sensor | 80 mm |
| - Height of sensor | 99.5 mm |
| - Length of sensor | 55 mm |

notice






Depending on how the floater is assembled, either a NO contact or a NC contact is possible.
The indicated switching points are applicable for water

The switching function is reversed accordingly, if the floater in a changeover contact element is turned upside-down. The operating points listed, apply for water.

Diagram



Note Diagram

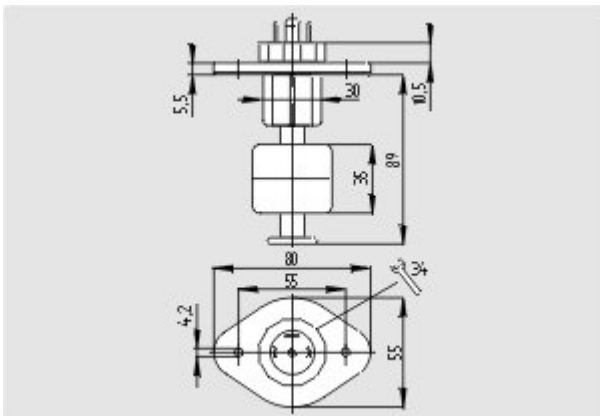
-  positive break NC contact
-  active
-  no active
-  Normally-open contact
-  Normally-closed contact

Documents

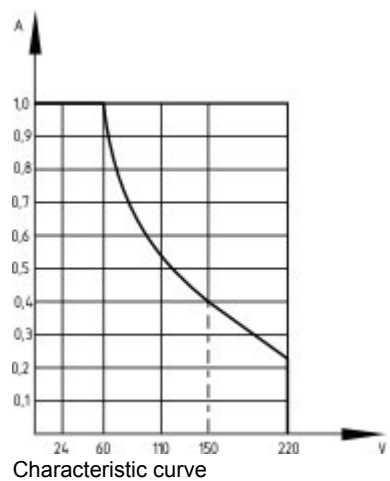
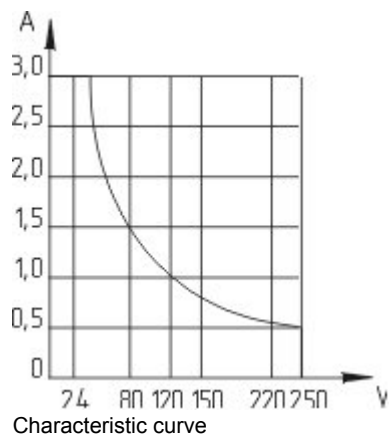
Declaration of conformity (de) 188 kB, 10.07.2012

Code: __bn_p01

Images



Dimensional drawing (basic component)



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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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