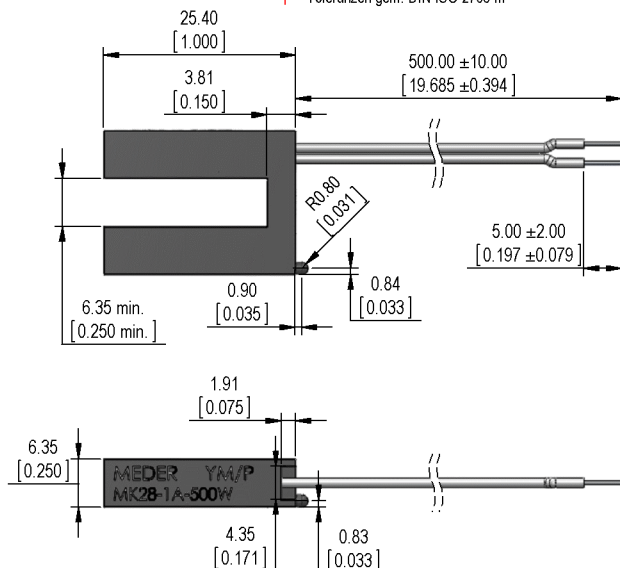
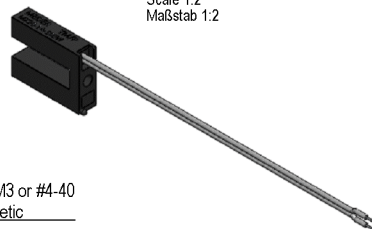



**Dimensions mm[inch]**

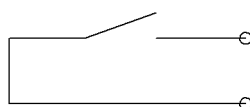
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m

**Isometric**

 Scale 1:2  
 Maßstab 1:2

**Cable**

 Flat Cable, LIYZ 2x0.14sqmm  
 colour of wires: white

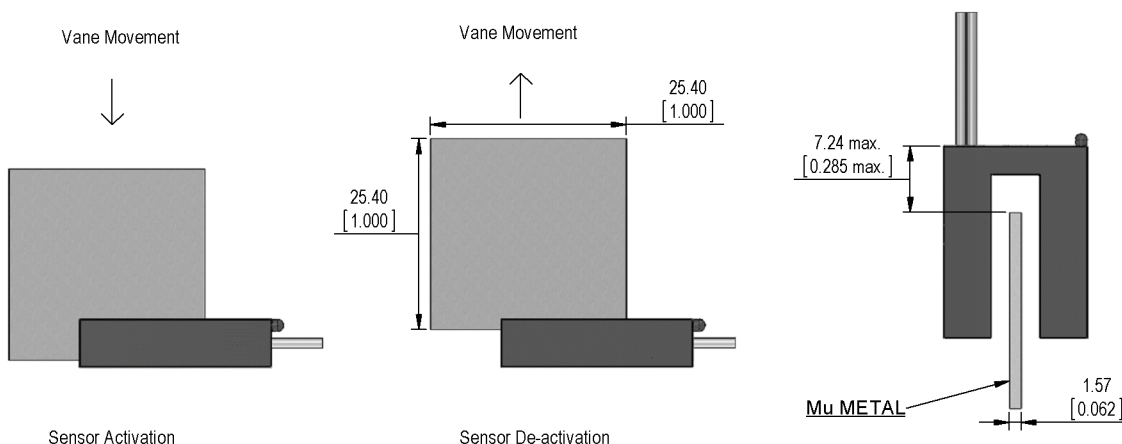
**Terminals/Connector**

 Customer side: Ends tinned  
 Kundenseite: Enden verzinkt

**Schematic**

**Marking**

 MEDER-Label, Type,  
 according to EN60062/factory code  
 MEDER-Logo, Typ,  
 gem. EN60062/Fertigungsstätte

 MEDER YM/P  
 MK28-1A-500W

**Switching distances**




*Products for tomorrow...*

Europe: +49 / 7731 8399 0

| Email: info@meder.com

USA: +1 / 508 295 0771

| Email: salesusa@meder.com

Asia: +852 / 2955 1682

| Email: salesasia@meder.com

Item No.:

**9281901054**

Item:

**MK28-1A-500W**

| Magnetic properties                  | Conditions   | Min    | Typ | Max | Unit |
|--------------------------------------|--|--------|-----|-----|------|
| Pull-In excitation (Reference value) | Reed switch unmodified<br>measured in coil- "define operation" | 15     |     | 20  | AT   |
| Test-Coil                            | Reed switch unmodified   | KMS-01 |     |     |      |

| Special Product Data | Conditions   | Min   | Typ | Max | Unit |
|----------------------|--|---|-----|-----|------|
| Contact - No.        |  | 90  |     |     |      |
| Contact - form       |  | A - NO  |     |     |      |
| Contact rating       | Any DC combination of V & A<br>not to exceed their individual max.'s |   |     | 10  | W    |
| Switching voltage    | DC or Peak AC  |   |     | 175 | V    |
| Carry current        | DC or Peak AC  |   |     | 1   | A    |
| Switching current    | DC or Peak AC  |   |     | 0.5 | A    |
| Sensor-resistance    | measured with 40% overdrive  |   |     | 300 | mOhm |
| Breakdown voltage    | according to EN 60255-5  | 200   |     |     | VDC  |
| Housing material     |  | Nylon 6/6   |     |     |      |
| Case color           |  | black   |     |     |      |
| Sealing compound     |  | UL94-V2 File-No E72640 (M) PU E8702 FW-Z/Herberts |     |     |      |

| Environmental data    | Conditions                         | Min | Typ | Max | Unit |
|-----------------------|------------------------------------|-----|-----|-----|------|
| Shock                 | 1/2 sine, duration 11ms, in 3 axis |     |     | 50  | g    |
| Vibration             | from 10 - 2000 Hz                  |     |     | 20  | g    |
| Operating temperature |                                    | -40 |     | 105 | °C   |
| Storage temperature   |                                    | -40 |     | 105 | °C   |

| Cable specification | Conditions | Min        | Typ | Max | Unit |
|---------------------|------------|------------|-----|-----|------|
| Cable type          |            | flat cable |     |     |      |
| Cable material      |            | PVC        |     |     |      |
| Cross section       |            | 0.14 sq-mm |     |     |      |

| General data      | Conditions                         | Min  | Typ | Max | Unit |
|-------------------|------------------------------------|--|-----|-----|------|
| Mounting advice   |                                    | Magnetically conductive screws must not be used. |     |     |      |
| Mounting advice   |                                    | over 5m cable, a resistor is recommended.        |     |     |      |
| Tightening torque | Screw M3 ISO 1207<br>Disk ISO 7089 |  |     | 0.5 | Nm   |

Modifications in the sense of technical progress are reserved

Designed at: 05/31/12 Designed by: MGLEICK

Approval at: 06/05/12 Approval by: TLANE

Last Change at: 06/11/12 Last Change by: MGLEICK

Approval at: 06/11/12 Approval by: TLANE

Rev. No.: 03