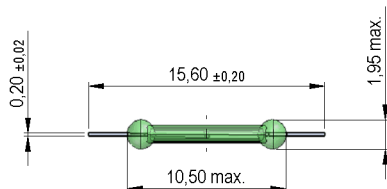




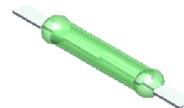
### Dimensions mm[inch]

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

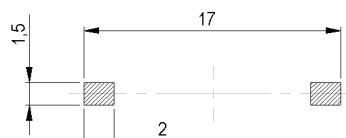
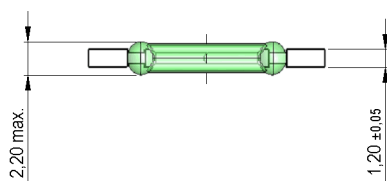


### Isometric

Scale 2:1  
Maßstab 2:1

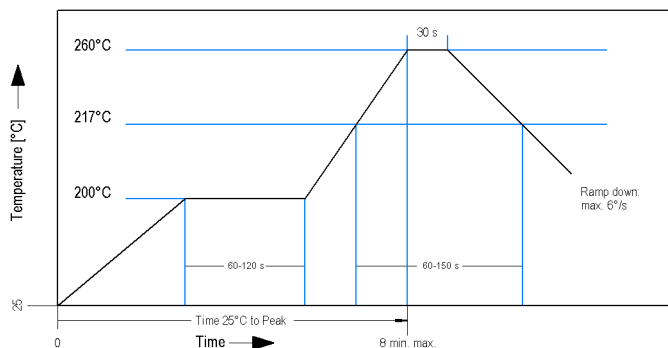


### Recommended PCB Pad Layout

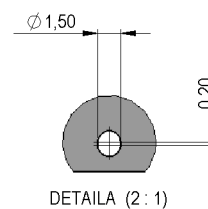
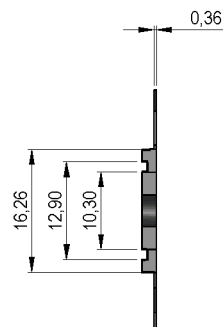
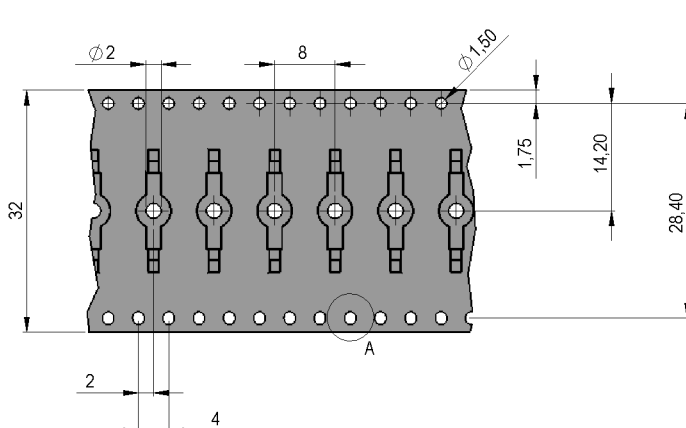


### Solder Reflow Profile

reflow soldering conditions according to JEDEC norm J-STD 020D.1



### Packaging





Europe: +49 / 7731 8399 0

| Email: info@standexmeder.com

USA: +1 / 508 295 0771

| Email: salesusa@standexmeder.com

Asia: +852 / 2955 1682

| Email: salesasia@standexmeder.com

Item No.:

**9231350011**

Item:

**MK23-35-A-1**

| Magnetic properties                   | Conditions                                                     | Min            | Typ | Max | Unit |
|---------------------------------------|----------------------------------------------------------------|----------------|-----|-----|------|
| Pull-In excitation (Reference value)  | Reed switch unmodified<br>measured in coil- "define operation" | 5              |     | 10  | AT   |
| Test equipment                        | Testing 100%                                                   | KMS-02         |     |     |      |
| Pull-In excitation (modified contact) | Reed switch modified<br>phys. conditioned tolerance +/- 1 AT   | 14             |     | 37  | AT   |
| Test equipment                        |                                                                | KMS-11 + AP051 |     |     |      |

| Contact data 35            | Conditions                                                           | Min   | Typ       | Max  | Unit |
|----------------------------|----------------------------------------------------------------------|-------|-----------|------|------|
| Contact - No.              |                                                                      |       | 35        |      |      |
| Contact-form               |                                                                      |       | A         |      |      |
| Contact-material           |                                                                      |       | Ruthenium |      |      |
| Contact rating             | Any DC combination of V & A<br>not to exceed their individual max.'s |       |           | 15   | W    |
| Switching voltage (<10AT)  | DC or Peak AC                                                        |       |           | 100  | V    |
| Switching current          | DC or Peak AC                                                        |       |           | 1    | A    |
| Carry current              | DC or Peak AC                                                        |       |           | 1,25 | A    |
| Contact resistance static  | Measured with 40% overdrive<br>Start Value                           |       |           | 150  | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation<br>Start Value                 |       |           | 200  | mOhm |
| Contact resistance dynamic | Difference value 1,5 ms after excitation                             |       |           | 20   | mOhm |
| Insulation resistance      | RH <45 %, 100 V test voltage                                         | 1.000 |           |      | GOhm |
| Breakdown voltage (<10 AT) | according to EN 60255-5                                              | 100   |           |      | VDC  |
| Operate time incl. bounce  | measured with 40% overdrive                                          |       |           | 0,5  | ms   |
| Release time               | measured with no coil excitation                                     |       |           | 0,1  | ms   |
| Capacity                   | @ 10 kHz across open switch                                          |       | 0,3       |      | pF   |

| Special Product Data    | Conditions | Min | Typ | Max | Unit |
|-------------------------|------------|-----|-----|-----|------|
| Approval                |            |     |     |     |      |
| Reach / RoHS conformity |            |     | yes |     |      |
| Remark                  |            |     |     |     |      |

| Modified dimensions | Conditions | Min | Typ  | Max | Unit |
|---------------------|------------|-----|------|-----|------|
| total length - SMD  |            |     | 15,6 |     | mm   |

| 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 |     | 130 | °C   |
| Storage temperature         |                                    | -55 |     | 130 | °C   |
| Soldering Temperature Tsold | Reflow acc.IPC/JEDEC J-STD-020D.1  |     |     | 260 | °C   |

| General data | Conditions | Min | Typ                   | Max | Unit |
|--------------|------------|-----|-----------------------|-----|------|
| Packaging    |            |     | Tape & Reel 2500 pcs. |     |      |

Modifications in the sense of technical progress are reserved

Designed at: 28.01.15 Designed by: WKOVACS

Approval at: 29.01.15 Approval by: DKUECHLER

Last Change at: Last Change by:

Approval at: Approval by:

Rev. No.: 01