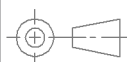
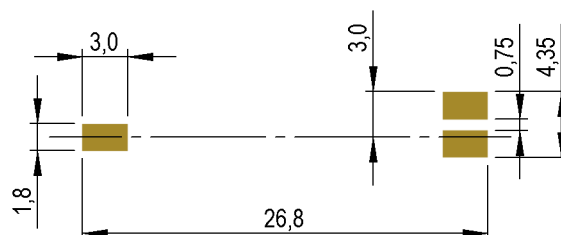
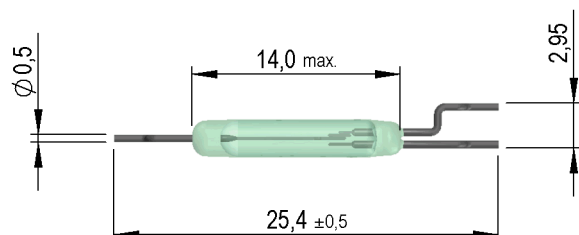


**Recommended Pad Layout (mm)**



tolerances according to DIN ISO 2768 m

| Magnetic properties                   | Conditions                                                      | Min    | Typ | Max | Unit |
|---------------------------------------|-----------------------------------------------------------------|--------|-----|-----|------|
| Pull-In excitation (modified contact) | Reed switch modified<br>phys. conditioned tolerance of +/- 1 AT | 23     |     | 35  | AT   |
| Test-Coil                             | Reed switch modified                                            | KMS-21 |     |     |      |
| Pull-In in milliTesla (modified conta | MS150 -<br>phys. caused tolerance +/- 0,1mT                     | 3,1    |     | 3,8 | mT   |

| Contact data 90            | Conditions                                                           | Min     | Typ | Max | Unit |
|----------------------------|----------------------------------------------------------------------|---------|-----|-----|------|
| Contact-No.                |                                                                      | 90      |     |     |      |
| Contact-form               |                                                                      | C       |     |     |      |
| Contact-material           |                                                                      | Rhodium |     |     |      |
| Contact rating             | Any DC combination of V & A<br>not to exceed their individual max.'s |         |     | 10  | W    |
| Switching voltage          | DC or Peak AC/ with 40% overdrive                                    |         |     | 175 | V    |
| Switching current          | DC or Peak AC/with 40% overdrive                                     |         |     | 0,5 | A    |
| Carry current              | DC or Peak AC/ with 40% overdrive                                    |         |     | 1   | 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                 |         |     | 250 | mOhm |
| Insulation resistance      | RH <45 %, 100 V test voltage                                         | 1       |     |     | GOhm |
| Breakdown voltage          | according to IEC 255-5                                               | 200     |     |     | VDC  |
| Operate time, incl. bounce | measured with 40% overdrive                                          |         |     | 0,7 | ms   |
| Release time               | measured with no coil excitation                                     |         |     | 1,5 | ms   |
| Capacity                   | @ 10 kHz across open switch                                          |         | 1   |     | pF   |

| Modified dimensions | Conditions | Min                       | Typ | Max | Unit |
|---------------------|------------|---------------------------|-----|-----|------|
| Remarks             |            | to dimensions see drawing |     |     |      |

| Environmental data          | Conditions                            | Min | Typ | Max | Unit |
|-----------------------------|---------------------------------------|-----|-----|-----|------|
| Shock                       | 1/2 sine wave duration 11ms           |     |     | 50  | g    |
| Vibration                   | from 10 - 2000 Hz                     |     |     | 20  | g    |
| Ambient temperature         |                                       | -40 |     | 130 | °C   |
| Storage temperature         |                                       | -55 |     | 130 | °C   |
| Soldering Temperature Tsold | Reflow according IPC/JEDEC J-STD-020C |     |     | 260 | °C   |

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