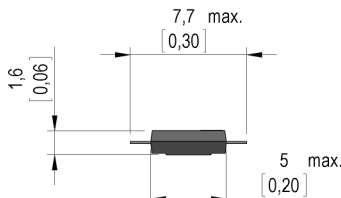
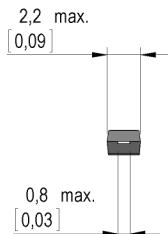
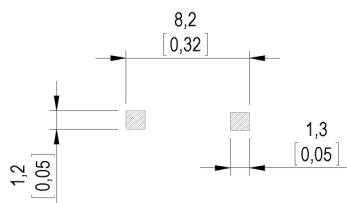
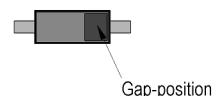


**Dimensions mm[inch]**

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

 Isometric  
 Scale 2:1  
 Maßstab 2:1

**Recommended Pad Layout**

**Schematic**

**Marking**


| Magnetic properties                   | Conditions                                                      | Min        | Typ | Max | Unit |
|---------------------------------------|-----------------------------------------------------------------|------------|-----|-----|------|
| Pull-In excitation (modified contact) | Reed switch modified<br>phys. conditioned tolerance of +/- 1 AT | 37         |     | 71  | AT   |
| Test equipment                        | Testing 100%                                                    | KMS11+AP66 |     |     |      |
| Pull-In in milliTesla (modified conta | MS150 -<br>phys. caused tolerance +/- 0,1mT                     | 3          |     | 5,8 | mT   |

| Contact data 04                      | Conditions                                                           | Min | Typ | Max  | Unit |
|--------------------------------------|----------------------------------------------------------------------|-----|-----|------|------|
| Contact rating ( > 9 AT )            | Any DC combination of V & A<br>not to exceed their individual max.'s |     |     | 3    | W    |
| Switching voltage                    | DC or Peak AC                                                        |     |     | 30   | V    |
| Switching current ( > 9 AT )         | DC or Peak AC                                                        |     |     | 0,3  | A    |
| Carry current ( > 9 AT )             | DC or Peak AC                                                        |     |     | 0,5  | A    |
| Contact resistance static (>9AT )    | Measured with 40% overdrive<br>Start value                           |     |     | 200  | mOhm |
| Insulation resistance                | RH <45 %, 100 V test voltage                                         | 10  |     |      | GOhm |
| Breakdown voltage ( > 9 AT )         | according to IEC 255-5                                               | 100 |     |      | VDC  |
| Operate time incl. bounce ( > 9 AT ) |                                                                      |     |     | 0,2  | ms   |
| Release time                         | measured with no coil excitation                                     |     |     | 0,15 | ms   |
| Capacity                             | @ 10 kHz across open switch                                          |     | 0,1 |      | pF   |

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

| Environmental data          | Conditions                         | Min          | Typ | Max | Unit |
|-----------------------------|------------------------------------|--------------|-----|-----|------|
| Shock                       | 1/2 sine, duration 11ms, in 3 axis |              |     | 30  | g    |
| Vibration                   | from 10 - 2000 Hz                  |              |     | 20  | g    |
| Operating temperature       |                                    | -40          |     | 130 | °C   |
| Storage temperature         |                                    | -55          |     | 130 | °C   |
| Soldering Temperature Tsold | Reflow according IPC/JEDEC J-STD-0 |              |     | 260 | °C   |
| Washability                 |                                    | fully sealed |     |     |      |

| General data | Conditions | Min                                        | Typ | Max | Unit |
|--------------|------------|--------------------------------------------|-----|-----|------|
| Remark       |            | Pick & place force should not exceed 25cN! |     |     |      |
| Packaging    |            | Tape & Reel per 2000 pcs. / Tray H20       |     |     |      |