



tolerances according to DIN ISO 2768 m

| Magnetic properties | Conditions | Min | Typ | Max | Unit |
|--------------------------------------|----------------------------------------------------------------|--------|-----|-----|------|
| Pull-In excitation (Reference value) | Reed switch unmodified measured in coil- "define operation" | 140 | | 160 | AT |
| Test-Coil | Reed switch unmodified | KMS-04 | | | |

| Contact data 69 | Conditions | Min | Typ | Max | Unit |
|----------------------------|----------------------------------------------------------------------|----------|-----|--------|------|
| Contact-No. | | 69 | | | |
| Contact-form | | A | | | |
| Contact-material | | Tungsten | | | |
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 50 | W |
| Switching voltage | DC or Peak AC | | | 10.000 | V |
| Switching current | DC or Peak AC | | | 3 | A |
| Carry current | DC or Peak AC | | | 5 | A |
| Contact resistance static | Measured with 40% overdrive Start Value | | | 150 | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation Start Value | | | 250 | mOhm |
| Contact resistance static | measured with nominal voltage at 20 °C | | | 999 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage | according to IEC 255-5 | 15.000 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 3 | ms |
| Release time | measured with no coil excitation | | | 1,5 | ms |
| Operate time incl. bounce | measured with nominal voltage at 20 °C | | | 999 | ms |
| Capacitance | @ 10 kHz across open switch | | 0,8 | | pF |

| Contact dimensions | C | Conditions | Min | Typ | Max | Unit |
|--------------------|---|--------------------------------|-----|------|-----|------|
| Overall length | | Tolerance according to drawing | | 81,6 | | mm |
| Glass body length | | Tolerance according to drawing | | 53,4 | | mm |

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------|------------------------------|-----|-----|-----|------|
| Shock | 1/2 sine wave duration 11 ms | | | 50 | g |
| Vibration | from 10 - 2000 Hz | | | 20 | g |
| Operating temperature | | -40 | | 130 | °C |
| Storage temperature | | -55 | | 130 | °C |
| Soldering temperature | wave soldering max. 5 sec | | | 260 | °C |