



 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" | 100 | | 110 | AT |
| Test-Coil | Reed switch unmodified | KMS-04 | | | |

| Contact data 83/1 | Conditions | Min | Typ | Max | Unit |
|---------------------------|--|----------|-----|-------|------|
| Contact-No. | | 83 | | | |
| 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 | | | 7.500 | 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 | | | 100 | mOhm |
| Insulation voltage | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage | according to IEC 255-5 | 10.000 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 3,2 | ms |
| Release time | measured with no coil excitation | | | 1,5 | ms |
| Capacity | @ 10 kHz across open switch | | 1 | | 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 11ms | | | 50 | g |
| Vibration | from 10 - 2000 Hz | | | 20 | g |
| Ambient temperature | | -20 | | 130 | °C |
| Storage temperature | | -55 | | 130 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |