



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" | 30 | | 35 | AT |
| Test-Coil | Reed switch unmodified | KMS-01 | | | |

| Contact Data 85 | Conditions | Min | Typ | Max | Unit |
|------------------------------|---|---------|-----|-------|------|
| Contact-No. | | 85 | | | |
| Contact-form | | A | | | |
| Contact-material | | Rhodium | | | |
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 100 | W |
| Switching voltage | DC or Peak AC | | | 1.000 | V |
| Switching current | DC or Peak AC | | | 1 | A |
| Carry current | DC or Peak AC 100% Duty Cycle | | | 2,5 | A |
| Pulsed carry current | DC or Peak AC 5ms after coil excitation for 50ms max. | | | 3 | A |
| Contact resistance static | Measured with 40% overdrive | | | 150 | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation | | | 200 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage (30-40 AT) | according to IEC 255-5 | 2.500 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 1,1 | ms |
| Release time | measured with no coil excitation | | | 0,1 | ms |
| Capacitance | @ 10 kHz across open switch | | 0,5 | | pF |

| Contact dimensions | C | Conditions | Min | Typ | Max | Unit |
|--------------------|---|--------------------------------|-----|------|-----|------|
| Overall length | | Tolerance according to drawing | | 55,4 | | mm |
| Glass body length | | Tolerance according to drawing | | 21 | | mm |

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------|-----------------------------|-----|-----|-----|------|
| Shock | 1/2 sine wave duration 11ms | | | 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 |

Modifications in the sense of technical progress are reserved

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