



| Magnetic properties                  | Conditions  | Min    | Typ | Max | Unit |
|--------------------------------------|---|--------|-----|-----|------|
| Pull-In excitation (Reference value) | Reed switch unmodified measured in coil- "define operation" | 10     |     | 15  | AT   |
| Test-Coil                            | Reed switch unmodified                                      | KMS-02 |     |     |      |

| Contact data 35              | Conditions  | Min       | Typ | Max  | Unit |
|------------------------------|---|-----------|-----|------|------|
| Contact - No.                |   | 35        |     |      |      |
| Contact-form                 |   | A - NO    |     |      |      |
| Contact-material             |   | Ruthenium |     |      |      |
| Contact rating               | Any DC combination of V & A not to exceed their individual max.'s |           |     | 20   | W    |
| Switching voltage (> 9 AT)   | DC or Peak AC   |           |     | 200  | V    |
| Switching current            | DC or Peak AC   |           |     | 1    | A    |
| Carry current                | DC or Peak AC   |           |     | 1,25 | A    |
| Contact resistance static    | Measured with 40% overdrive Start Value                           |           |     | 150  | mOhm |
| Contact resistance dynamic   | Maximum value 1,5 ms after excitation Start Value                 |           |     | 200  | mOhm |
| Insulation resistance        | RH <45 %, 100 V test voltage                                      | 1.000     |     |      | GOhm |
| Breakdown voltage (10-30 AT) | according to IEC 255-5  | 220       |     |      | VDC  |
| Operate time incl. bounce    | measured with 40% overdrive                                       |           |     | 0,5  | ms   |
| Release time                 | measured with no coil excitation                                  |           |     | 0,1  | ms   |
| Capacity                     | @ 10 kHz across open switch                                       |           | 0,3 |      | pF   |

| Contact dimensions | Conditions                                | Min | Typ  | Max  | Unit |
|--------------------|---|-----|------|------|------|
| Overall length     | Tolerance ± 0,5 / or according to drawing |     | 34,5 |      | mm   |
| Glass body length  | Tolerance ± 0,3 / or according to drawing |     |      | 10,5 | 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   |

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