

DIMENSIONS (mm)

Pins: Ø0.65 mm
 L = 3.2±0.3 mm
 Material: Cu-alloy tinned

LAYOUT
pitch 2.54 mm/Top view

Test Circuit

MARKING

MEDER-Label
 Type/Layout
 Production code,
 EN60062/Factory code

Thermal EMF = max. 1 microVolt

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-----|-----|-----|------|
| Coil resistance | | 810 | 900 | 990 | Ohm |
| Coil voltage | | | 5 | | VDC |
| Rated power | | | 27 | | mW |
| Pull-In voltage | | | | 3,8 | VDC |
| Drop-Out voltage | | 1 | | | VDC |

| Contact data 66 | Conditions | Min | Typ | Max | Unit |
|----------------------------|---|-----|-----|------|------|
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 10 | W |
| Switching voltage (<21 AT) | DC or Peak AC | | | 180 | V |
| Switching current | DC or Peak AC | | | 0,5 | A |
| Carry current | DC or Peak AC | | | 1,25 | A |
| Contact resistance static | Measured with 40% overdrive Start Value | | | 150 | mOhm |
| Insulation resistance | RH <45 %, 100 VDC test voltage | 10 | | | GOhm |
| Breakdown voltage (<21 AT) | according to EN 60255-5 | 200 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 0,5 | ms |
| Release time | measured with no coil excitation | | | 0,1 | ms |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|-----|-------------------------|-----|-------|
| Number of contacts | | | 2 | | |
| Contact - form | | | A - NO | | |
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 1,5 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 100 | | | GOhm |
| Case colour | | | silver metallic | | |
| Housing material | | | Metal | | |
| Sealing compound | | | Voltatex CE 12 FW-UL | | |
| Connection pins | | | Copper alloy tin plated | | |
| Magnetic Shield | | | no | | |
| Reach / RoHS conformity | | | yes | | |



Products for tomorrow...

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Item No.:
8805271800
Item:
BT05-2A66
BT05-2A71

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------|------------------------------------|-----|-----|-----|--------------|
| Shock | 1/2 sine, duration 11ms, in 3 axis | | | 50 | g |
| Vibration | from 10 - 2000 Hz | | | 20 | g |
| Operating temperature | | -20 | | 70 | °C |
| Storage temperature | | -35 | | 95 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |
| Washability | | | | | fully sealed |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|-----|-----|-----|------------------------|
| Packaging | | | | | plastic tube a 39 pcs. |

Modifications in the sense of technical progress are reserved

Designed at: 05.10.06 Designed by: WKOVACS
Last Change at: 27.04.12 Last Change by: WKOVACS

Approval at: 05.10.06 Approval by: RRIPPL
Approval at: 02.05.12 Approval by: CRUF

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