MEDER electronic
Products for tomorrow...

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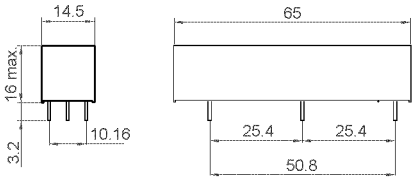
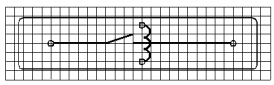
Item No.:
**8512183002**
Item:
**HE12-1A83-02**

DIMENSIONS (mm)




LAYOUT

pitch 2.54 mm/Top view



MARKING




PINS

Pins: Ø0.8 mm
L = 3.2±0.3 mm
Material: Cu-alloy tinned

MARKING

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

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| Coil resistance | | 234 | 260 | 286 | Ohm |
| Coil voltage | | | 12 | | VDC |
| Rated power | | | 554 | | mW |
| Inductance | | | 26 | | mH |
| Pull-In voltage | | | | 9 | VDC |
| Drop-Out voltage | | 1 | | | VDC |

| Contact data 83 | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| 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 | | | 150 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | TOhm |
| Breakdown voltage | according to IEC 255-5 | 10 | | | kV DC |
| Operate time incl. bounce | measured with 40% overdrive | | | 3,2 | ms |
| Release time | measured with no coil excitation | | | 1,5 | ms |
| Capacitance | @ 10 kHz across open switch | | 1 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| Number of contacts | | 1 | | | |
| Contact - form | | A - NO | | | |
| Dielectric Strength Coil/Contact | according to IEC 255-5 | 10 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC test voltage | 1 | | | TOhm |
| Case colour | | gray | | | |
| Housing material | | Polycarbonat | | | |
| Sealing compound | | Polyurethan | | | |
| Connection pins | | Copper alloy tin plated | | | |

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| 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 | | -20 | | 70 | °C |
| Storage temperature | | -35 | | 105 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |
| Washability | | fully sealed | | | |