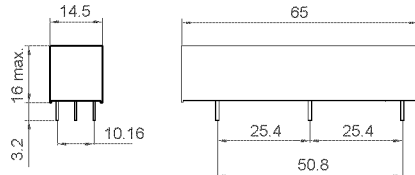


DIMENSIONS (mm)

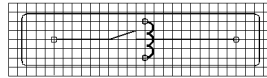


PINS

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



LAYOUT



MARKING



MARKING

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

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-----|-------|-------|------|
| Coil resistance | | 945 | 1.050 | 1.155 | Ohm |
| Coil voltage | | | 24 | | VDC |
| Thermal Resistance | | | 26 | | K/W |
| Rated power | | | 554 | | mW |
| Pull-In voltage | | | | 18 | VDC |
| Drop-Out voltage | | 2,5 | | | VDC |

| Contact data 83 | 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 | | | 150 | mOhm |
| Contact resistance | Difference value 1,5 ms after excitation | | | 20 | mOhm |
| Insulation resistance | 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 |
| Capacitance | | | 1 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|-------------------------------|-------|-----|-------------------------|-------|
| Insulation resistance Coil/Contact | RH <45%, 200 VDC test voltage | 1.000 | | | GOhm |
| Insulation voltage Coil/Contact | according to IEC 255-5 | 10 | | | kV DC |
| Isolation voltage Coil/Contact | according to IEC 255-5 | 7,5 | | | kV AC |
| Housing material | | | | Polycarbonat | |
| Sealing compound | | | | Polyurethan | |
| Connection pins | | | | Copper alloy tin plated | |
| number of contacts | | | | 1 | |



Products for tomorrow...

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Item No.:
8524183002
Item:
HE24-1A83-02

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

Modifications in the sense of technical progress are reserved

Designed at: 27.11.07 Designed by:

Approval at: 12.03.08 Approval by: RRIPPL

Last Change at: 31.07.09 Last Change by: WKOVACS

Approval at: 31.07.09 Approval by: KOLBRICH

Version: 03