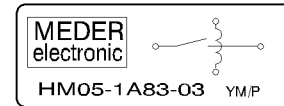
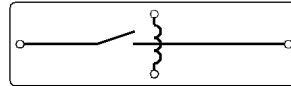
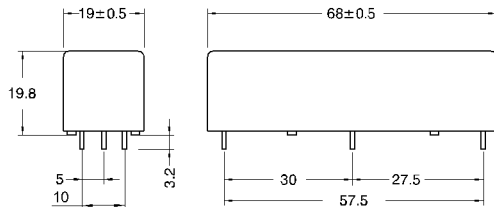



LAYOUT
 Top view



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

MARKING

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

 Abmessungen / dimensions (mm)
 tolerances according to DIN ISO 2768 m

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-----|-----|-----|------|
| Coil resistance | | 40 | 45 | 50 | Ohm |
| Coil voltage | | | 5 | | VDC |
| Rated power | | | 556 | | mW |
| Pull-In voltage | | | | 3,8 | VDC |
| Drop-Out voltage | | 0,5 | | | 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 | | 0,8 | | 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 | 15 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC test voltage | 10 | | | TOhm |
| Case colour | | | | gray | |
| Housing material | | | | Polycarbonat | |
| Sealing compound | | | | Polyurethan | |
| Connection pins | | | | Copper alloy tin plated | |
| Reach / RoHS conformity | | | | yes | |

Modifications in the sense of technical progress are reserved

Designed at: 26.02.04 Designed by: EBUNKE
 Last Change at: 19.04.10 Last Change by: WKOVACS

Approval at: 15.10.08 Approval by: KOLBRICH
 Approval at: 27.07.11 Approval by: CRUF

Version: 04



Products for tomorrow...

Europe: +49 / 7731 8399 0 | Email: info@meder.com
USA: +1 / 508 295 0771 | Email: salesusa@meder.com
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:
8405183003
Item:
HM05-1A83-03

| 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 | | -25 | | 85 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |
| Washability | | | | | fully sealed |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|-----|-----|-----|---------------------------------|
| Total weight | | | 50 | | g |
| Packaging | | | | | HM relay box with spacing paper |

Modifications in the sense of technical progress are reserved

Designed at: 26.02.04 Designed by: EBUNKE
Last Change at: 19.04.10 Last Change by: WKOVACS

Approval at: 15.10.08 Approval by: KOLBRICH
Approval at: 27.07.11 Approval by: CRUF

Version: 04