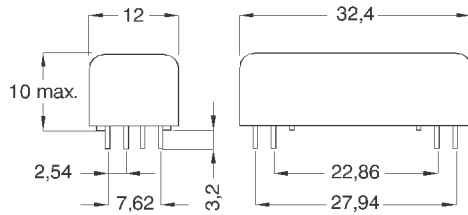


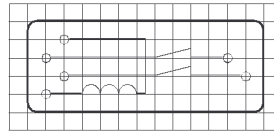
DIMENSIONS (mm)



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



LAYOUT  
 pitch 2.54 mm/Top view



MARKING



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

| Coil Data at 20 °C | Conditions | Min | Typ   | Max   | Unit |
|--------------------|------------|-----|-------|-------|------|
| Coil resistance    |            | 990 | 1.100 | 1.210 | Ohm  |
| Coil voltage       |            |     | 12    |       | VDC  |
| Rated power        |            |     | 131   |       | mW   |
| Pull-In voltage    |            |     |       | 8,4   | VDC  |
| Drop-Out voltage   |            | 1   |       |       | VDC  |

| Contact Data 85              | Conditions  | Min | Typ | Max   | Unit  |
|------------------------------|---|-----|-----|-------|-------|
| Contact rating               | Any DC combination of V & A not to exceed their individual max.'s |     |     | 100   | W     |
| Switching voltage            | DC or Peak AC   |     |     | 1.000 | V     |
| Carry current                | DC or Peak AC 100% Duty Cycle                                     |     |     | 2,5   | A     |
| Contact resistance static    | Measured with 40% overdrive                                       |     |     | 150   | mOhm  |
| Insulation resistance        | RH <45 %, 100 V test voltage                                      | 1   |     |       | TOhm  |
| Breakdown voltage (30-40 AT) | according to EN 60255-5   | 2,5 |     |       | kV DC |
| Operate time incl. bounce    | measured with 40% overdrive                                       |     |     | 1,1   | ms    |
| Release time                 | measured with no coil excitation                                  |     |     | 0,1   | ms    |
| Capacitance                  | @ 10 kHz across open switch                                       |     | 0,5 |       | pF    |

| 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       | 2   |                         |     | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC test voltage | 1   |                         |     | TOhm  |
| Housing material                   |                               |     | Metal                   |     |       |
| Magnetic Shield                    |                               |     | yes                     |     |       |
| RoHS conformity                    |                               |     | yes                     |     |       |
| Sealing compound                   |                               |     | Polyurethan             |     |       |
| Connection pins                    |                               |     | Copper alloy tin plated |     |       |



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.:  
**8812285200**  
Item:  
**BE12-2A85-M**

*Products for tomorrow...*

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

Modifications in the sense of technical progress are reserved

Designed at: 15.03.06    Designed by: WKOVACS  
Last Change at: 29.08.12    Last Change by: WKOVACS

Approval at:                      Approval by: RUDI RIPPL  
Approval at: 29.08.12    Approval by: CRUF

Version: 06