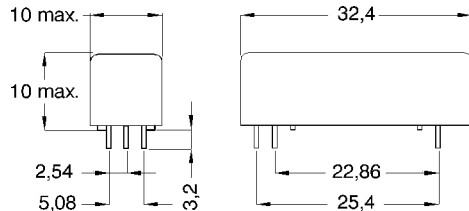


## preliminary datasheet

### DIMENSIONS (mm)

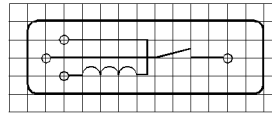


Pins: Ø0.65 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned

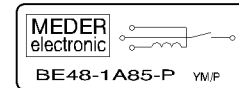


### LAYOUT (10)

pitch 2.54 mm/Top view



### MARKING



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

| Coil datas at 20 °C | Conditions | Min    | Setpoint | Max    | Unit |
|---------------------|------------|--------|----------|--------|------|
| Coil resistance     |            | 10.020 | 10.120   | 10.220 | Ohm  |
| Coil voltage        |            |        | 48       |        | VDC  |
| Rated power         |            |        | 228      |        | mW   |
| Pull-In voltage     |            |        |          | 33,6   | VDC  |
| Drop-Out voltage    |            | 3,3    |          |        | VDC  |

| Contact data 85              | Conditions                                                        | Min   | Setpoint | Max   | Unit |
|------------------------------|-------------------------------------------------------------------|-------|----------|-------|------|
| Contact-No.                  |                                                                   |       | 85       |       |      |
| Contact-form                 |                                                                   |       | A        |       |      |
| 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    |
| Switching current            | DC or Peak AC                                                     |       |          | 1     | A    |
| Carry current                | DC or Peak AC                                                     |       |          | 2,5   | A    |
| Contact resistance static    | Measured with 40% overdrive Start Value                           |       |          | 150   | mOhm |
| Contact resistance dynamic   | Maximum value 1,5 ms after excitation Start Value                 |       |          | 200   | mOhm |
| Insulation resistance        | RH <45 %, 100 V test voltage                                      | 10    |          |       | GOhm |
| Breakdown voltage (40-50 AT) | according to IEC 255-5                                            | 3.000 |          |       | VDC  |
| Operate time incl. bounce    | measured with 40% overdrive                                       |       |          | 1,1   | ms   |
| Release time                 | measured with no coil excitation                                  |       |          | 0,1   | ms   |
| Capacity                     | @ 10 kHz                                                          |       | 0,5      |       | pF   |

| special product data               | Conditions                  | Min   | Setpoint | Max                     | Unit |
|------------------------------------|-----------------------------|-------|----------|-------------------------|------|
| Insulation resistance Coil/Contact | RH <45%, 500 V test voltage | 1.000 |          |                         | GOhm |
| Insulation resistance Coil/Contact | according to IEC 255-5      | 2     |          |                         | KVAC |
| Housing material                   |                             |       |          | Polycarbonat            |      |
| Connection pins                    |                             |       |          | Copper alloy tin plated |      |

| Environmental data    | Conditions                  | Min | Setpoint | 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   |                             | -40 |          | 105          | °C   |
| Soldering temperature | max. 5 sec                  |     |          | 260          | °C   |
| Washability           |                             |     |          | fully sealed |      |