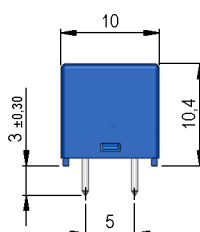
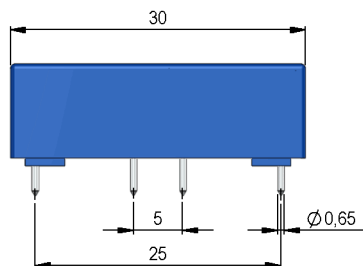


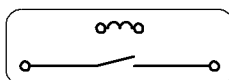
### Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m



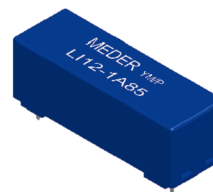
### Layout

Top view  
Draufsicht



### Isometric

Scale 1:2  
Maßstab 1:2



### Marking

according to EN60062/factory code  
gem. EN60062/Fertigungsstätte

MEDER YMP  
LI12-1A85

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-----|-----|-----|------|
| Coil resistance    |            | 612 | 680 | 748 | Ohm  |
| Coil voltage       |            |     | 12  |     | VDC  |
| Rated power        |            |     | 211 |     | mW   |
| Pull-In voltage    |            |     |     | 8,4 | VDC  |
| Drop-Out voltage   |            | 1,8 |     |     | 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     |
| Switching current            | DC or Peak AC                                                     |     |     | 1     | A     |
| Carry current                | DC or Peak AC<br>100% Duty Cycle                                  |     |     | 2,5   | A     |
| Contact resistance static    | Measured with 40% overdrive                                       |     |     | 150   | mOhm  |
| Insulation resistance        | RH <45 %, 100 V test voltage                                      | 10  |     |       | TOhm  |
| Breakdown voltage (40-50 AT) | according to EN 60255-5                                           | 4,2 |     |       | 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                 |                               |     | 1                          |     |       |
| Contact - form                     |                               |     | A - NO                     |     |       |
| Dielectric Strength Coil/Contact   | according to EN 60255-5       | 7   |                            |     | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC test voltage | 10  |                            |     | TOhm  |
| Case colour                        |                               |     | blue                       |     |       |
| Housing material                   |                               |     | PBT glass fibre reinforced |     |       |
| Sealing compound                   |                               |     | Polybutadiene, black       |     |       |
| Connection pins                    |                               |     | Copper alloy tin plated    |     |       |
| Magnetic Shield                    |                               |     | no                         |     |       |
| Reach / RoHS conformity            |                               |     | yes                        |     |       |



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Item No.:

**1612185000**

Item:

**LI12-1A85**

| 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          |     | 95  | °C   |
| Soldering temperature | wave soldering max. 5 sec.  |              |     | 260 | °C   |
| Washability           |                             | fully sealed |     |     |      |

| General data | Conditions | Min                        | Typ | Max | Unit |
|--------------|------------|----------------------------|-----|-----|------|
| Total weight |            |                            | 4,7 |     | g    |
| Packaging    |            | plastic tube, 16 pcs./each |     |     |      |

Modifications in the sense of technical progress are reserved

Designed at: 05.10.06 Designed by: WKOVACS

Approval at: 18.10.06 Approval by: KOLBRICH

Last Change at: 02.06.15 Last Change by: WKOVACS

Approval at: 02.06.15 Approval by: DSTASTNY

Version: 14