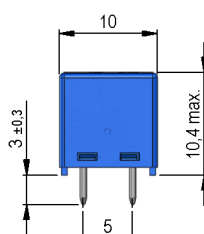
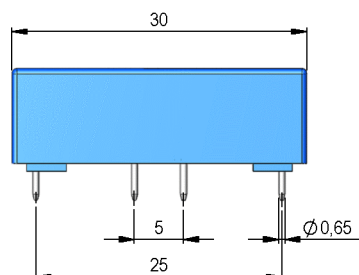
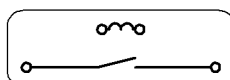


### Dimensions mm[inch]

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



### Layout

 Top view  
Draufsicht


### Isometric

 Scale 1:1  
Maßstab 1:1


### Marking

 according to EN60062/factory code  
gem. EN60062/Fertigungsstätte

 MEDER YMP  
LI24-1A85

| Coil Data at 20 °C | Conditions | Min   | Typ   | Max   | Unit |
|--------------------|------------|-------|-------|-------|------|
| Coil resistance    |            | 1.800 | 2.000 | 2.200 | Ohm  |
| Coil voltage       |            |       | 24    |       | VDC  |
| Rated power        |            |       | 288   |       | mW   |
| Coil current       |            |       | 12    |       | mA   |
| Pull-In voltage    |            |       |       | 16,8  | VDC  |
| Drop-Out voltage   |            | 3,6   |       |       | 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 (>55 AT) | according to EN 60255-5                                           | 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                 |                               | 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    |     |     |       |
| Reach / RoHS conformity            |                               | yes                        |     |     |       |



*Products for tomorrow...*

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Item No.:

**1624185000**

Item:

**LI24-1A85**

| 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    |            | VPE |     |     |      |

Modifications in the sense of technical progress are reserved

Designed at: 13.04.07 Designed by:

Approval at: 16.04.07 Approval by:

Last Change at: 29.08.11 Last Change by: WKOVACS

Approval at: 30.08.11 Approval by: CRUF

Version: 12

# Mouser Electronics

Authorized Distributor

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