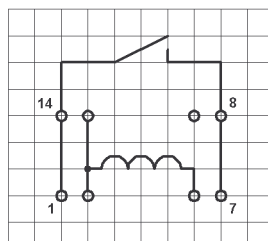
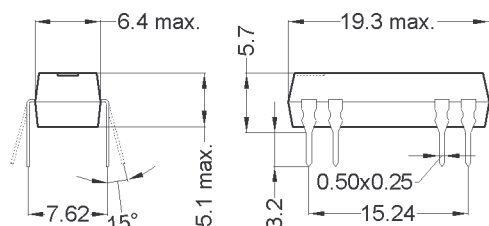
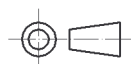


## Dimensions

## Layout 12L Pitch 2.54 / Top View

## Marking

 Type - Layout  
 Production-Code  
 EN60062

 MEDER electronic  
 DIP05-1A75-12L YW

 unspecified tolerances  $\pm 0.1\text{mm}$   
 nicht spezifizierte Toleranzen  $\pm 0.1\text{mm}$ 

| Coil Data at 20 °C | Conditions                                                       | Min  | Typ | Max | Unit |
|--------------------|------------------------------------------------------------------|------|-----|-----|------|
| Coil resistance    |                                                                  | 180  | 200 | 220 | Ohm  |
| Coil voltage       |                                                                  |      | 5   |     | VDC  |
| Rated power        |                                                                  |      | 125 |     | mW   |
| Coil current       |                                                                  |      | 25  |     | mA   |
| Thermal resistance | max. Relay temperature<br>= operating temperature + self heating |      | 97  |     | K/W  |
| Inductance         |                                                                  |      | 23  |     | mH   |
| Pull-In voltage    |                                                                  |      |     | 3,5 | VDC  |
| Drop-Out voltage   |                                                                  | 0,75 |     |     | VDC  |

| Contact data 75            | Conditions                                                           | Min | Typ | Max | Unit  |
|----------------------------|----------------------------------------------------------------------|-----|-----|-----|-------|
| Contact rating             | Any DC combination of V & A<br>not to exceed their individual max.'s |     |     | 10  | W     |
| Switching voltage (<31 AT) | DC or Peak AC                                                        |     |     | 500 | V     |
| Switching current          | DC or Peak AC                                                        |     |     | 0,5 | A     |
| Carry current              | DC or Peak AC                                                        |     |     | 1   | A     |
| Contact resistance static  | Measured with 40% overdrive<br>Start Value                           |     |     | 200 | mOhm  |
| Insulation resistance      | RH <45 %, 100 V test voltage                                         | 10  |     |     | TOhm  |
| Breakdown voltage (>30 AT) | according to EN 60255-5                                              | 1,5 |     |     | kV DC |
| Operate time incl. bounce  | measured with 40% overdrive                                          |     |     | 0,5 | ms    |
| Release time               | measured with no coil excitation                                     |     |     | 0,1 | ms    |
| Capacity                   | @ 10 kHz across open switch                                          |     | 0,3 |     | 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 | 1,5 |                           |     | kV DC |
| Insulation resistance Coil/Contact | 40°C, 95% R.H.          | 5   |                           |     | TOhm  |
| Capacity Coil/Contact              | @ 10 kHz                |     | 0,8                       |     | pF    |
| Case colour                        |                         |     | black                     |     |       |
| Housing material                   |                         |     | epoxy resin               |     |       |
| Connection pins                    |                         |     | Copper alloy tin plated   |     |       |
| Magnetic Shield                    |                         |     | no                        |     |       |
| Reach / RoHS conformity            |                         |     | yes                       |     |       |
| Approval                           |                         |     | UL File No. NRNT2.E156887 |     |       |
| Approval                           |                         |     | UL File No. NRNT8.E156887 |     |       |



*Products for tomorrow...*

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Item No.:

**3205175012**

Item:

**DIP05-1A75-12L**

| 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 |            |                   | 1,4 |     | g    |
| Packaging    |            | Tube per 25 piece |     |     |      |

Modifications in the sense of technical progress are reserved

Designed at: 11.06.09 Designed by: THAUKE

Approval at: 12.06.09 Approval by: JHEYDER

Last Change at: 02.10.09 Last Change by: SERVICES\_EUROPE

Approval at: 09.10.09 Approval by: KOLBRICH

Version: 3