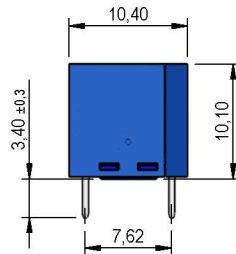
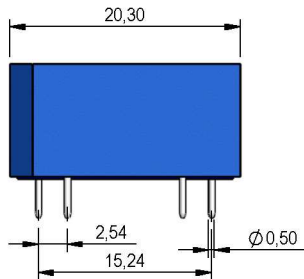
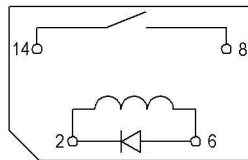


*Products for tomorrow...*

**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m



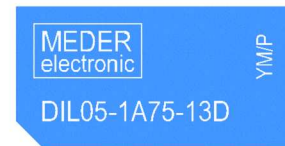
**Layout**  
 Top view  
 Draufsicht



**Isometric**  
 Scale 1:1  
 Maßstab 1:1



**Marking**  
 according to EN60062/Factory code  
 gem. EN60062/Fertigungsstätte



| Coil Data at 20 °C | Conditions | Min  | Typ | Max | Unit |
|--------------------|------------|------|-----|-----|------|
| Coil resistance    |            | 405  | 450 | 495 | Ohm  |
| Coil voltage       |            |      | 5   |     | VDC  |
| Rated power        |            |      | 55  |     | mW   |
| 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 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 Start Value                           |     |     | 200 | mOhm |
| Insulation resistance      | RH <45 %, 100 V test voltage                                      | 10  |     |     | GOhm |
| Breakdown voltage (<20 AT) | according to EN 60255-5   | 600 |     |     | VDC  |
| 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                                       |     | 0,4 |     | 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            | 4,25 |     |                            | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 10   |     |                            | GOhm  |
| Case colour                        |                                    |      |     | blue                       |       |
| Housing material                   |                                    |      |     | PBT glass fibre reinforced |       |
| Sealing compound                   |                                    |      |     | Polyurethan                |       |
| Connection pins                    |                                    |      |     | Copper alloy tin plated    |       |
| Reach / RoHS conformity            |                                    |      |     | yes                        |       |



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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.:  
**1305175113**  
Item:  
**DIL05-1A75-13D**

| Environmental data    | Conditions                         | Min | Typ | Max | Unit         |
|-----------------------|------------------------------------|-----|-----|-----|--------------|
| Shock                 | 1/2 sine, duration 11ms, in 3 axis |     |     | 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                   |
|--------------|------------|-----|-----|-----|------------------------|
| Packaging    |            |     |     |     | plastic tube a 25 pcs. |

Modifications in the sense of technical progress are reserved

Designed at: 08.10.12 Designed by: NMIHAI

Approval at: 20.11.12 Approval by: SSCHNECKENBURGER

Last Change at: Last Change by:

Approval at: Approval by:

Version: 01