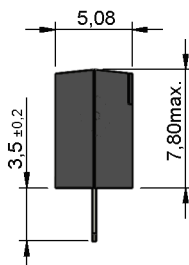
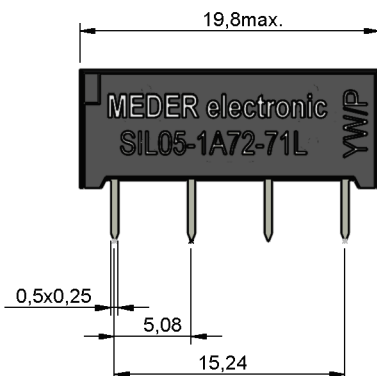
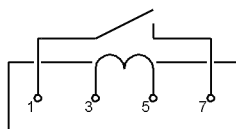


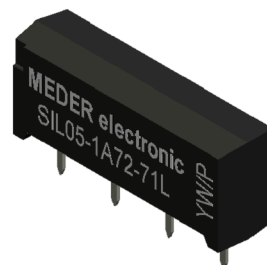
**Dimensions mm[inch]**  
tolerances acc. to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m



**Layout**  
Top view  
Draufsicht



**Isometric**  
Scale 2:1  
Maßstab 2:1



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

**MEDER electronic**  
**SIL05-1A72-71L** YW/P

| Coil Data at 20 °C | Conditions | Min  | Typ | Max | Unit |
|--------------------|------------|------|-----|-----|------|
| Coil resistance    |            | 450  | 500 | 550 | Ohm  |
| Coil voltage       |            |      | 5   |     | VDC  |
| Rated power        |            |      | 50  |     | mW   |
| Pull-In voltage    |            |      |     | 3,5 | VDC  |
| Drop-Out voltage   |            | 0,75 |     |     | VDC  |

| Contact data 66/3          | Conditions                                                        | Min | Typ | Max  | Unit |
|----------------------------|-------------------------------------------------------------------|-----|-----|------|------|
| Contact rating             | Any DC combination of V & A not to exceed their individual max.'s |     |     | 10   | W    |
| Switching voltage          | DC or Peak AC                                                     |     |     | 200  | 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                        |     |     | 100  | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation<br>Start Value              |     |     | 150  | mOhm |
| Insulation resistance      | RH <45 %, 100 V test voltage                                      | 10  |     |      | GOhm |
| Breakdown voltage          | according to EN 60255-5                                           | 250 |     |      | VDC  |
| Operate time incl. bounce  | measured with 40% overdrive                                       |     |     | 0,7  | ms   |
| Release time               | measured with no coil excitation                                  |     |     | 0,05 | 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 | RH <45%, 200 VDC measuring voltage | 100 |                    |     | GOhm  |
| Housing material                   |                                    |     | epoxy resin        |     |       |
| Connection pins                    |                                    |     | CuFe2P, tin plated |     |       |
| Reach / RoHS conformity            |                                    |     | yes                |     |       |



*Products for tomorrow...*

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Item No.:

**3305100071**

Item:

**SIL05-1A72-71L**

| 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 |
|--------------|------------|------------------|-----|-----|------|
| Total weight |            |                  | 1,5 |     | g    |
| Packaging    |            | tube per 25 pcs. |     |     |      |

Modifications in the sense of technical progress are reserved

Designed at: 05.03.04    Designed by: SCHELLHORN

Approval at: 31.03.09    Approval by: KOLBRICH

Last Change at: 14.09.12    Last Change by: NMIHAI

Approval at: 18.09.12    Approval by: CRUF

Version: 8