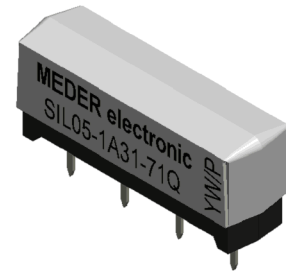
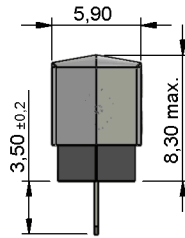
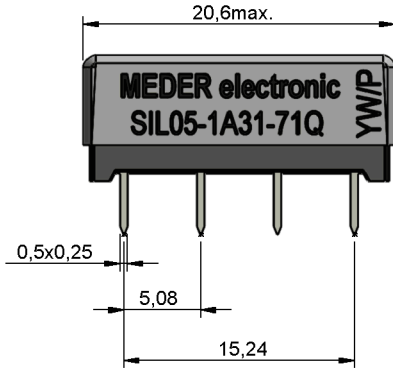
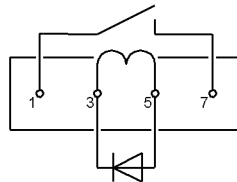


Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

Isometric
 Scale 2:1
 Maßstab 2:1



Layout
 Top view
 Draufsicht



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



| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|--|------|-----|-----|------|
| Coil resistance | | 72 | 80 | 88 | Ohm |
| Coil voltage | | | 5 | | VDC |
| Rated power | | | 312 | | mW |
| Thermal resistance | max. Relay temperature = operating temperature + self heating | | 109 | | K/W |
| Pull-In voltage | | | | 3,5 | VDC |
| Drop-Out voltage | | 0,75 | | | VDC |

| Contact data 31 | Conditions | Min | Typ | Max | Unit |
|---------------------------|--|-------------|-----|-----|------|
| Contact-material | independent on position | Hg | | | |
| Switching suitability | | bounce free | | | |
| Contact rating | Any DC combination of V & A up to 500V max. 50W, with 1000V max. 5W | | | 50 | W |
| Switching voltage | DC or Peak AC | | | 500 | V |
| Switching current | DC or Peak AC | | | 2 | A |
| Carry current | DC or Peak AC | | | 2 | A |
| Contact resistance static | Measured with 40% overdrive Start Value | | | 80 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 100 | | | GOhm |
| Breakdown voltage | according to EN 60255-5 | 1.500 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 1,2 | ms |
| Release Time | measured with no coil excitation | | | 1 | ms |
| Capacity | @ 10 kHz across open switch | | 0,3 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|---|-----|-----|-------|
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 2 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 1 | | | TOhm |
| Housing material | | epoxy resin | | | |
| Connection pins | | CuFe2P, tin plated | | | |
| Magnetic Shield | | yes | | | |
| Reach / RoHS conformity | | no | | | |
| Remark | | Check conditions at high packing density! (Rth) | | | |



Products for tomorrow...

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Item No.:
3305131371
Item:
SIL05-1A31-71Q

| 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 | | 55 | °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 | | | 2,4 | | g |
| Packaging | | | | | tube per 25 pcs. |

Modifications in the sense of technical progress are reserved

Designed at: 11.09.07 Designed by: THAUKE
Last Change at: 14.09.12 Last Change by: NMIHAI

Approval at: 11.09.07 Approval by: RRIPPL
Approval at: 18.09.12 Approval by: CRUF

Version: 4