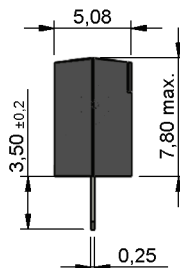
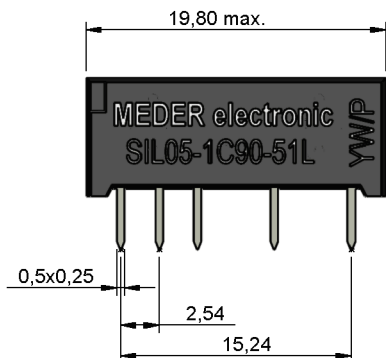
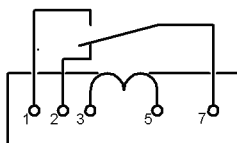


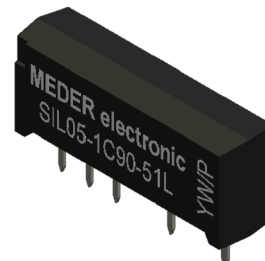
Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m



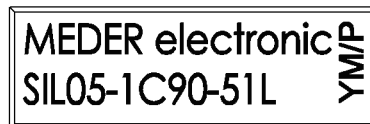
Layout
 Top view
 Draufsicht



Isometric
 Scale 2:1
 Maßstab 2:1



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



| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|------|-----|-----|------|
| Coil resistance | | 180 | 200 | 220 | Ohm |
| Coil voltage | | | 5 | | VDC |
| Rated power | | | 125 | | mW |
| Pull-In voltage | | | | 3,5 | VDC |
| Drop-Out voltage | | 0,75 | | | VDC |

| Contact data 90 | 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/ with 40% overdrive | | | 175 | V |
| Switching current | DC or Peak AC/with 40% overdrive | | | 0,5 | A |
| Carry current | DC or Peak AC/ with 40% overdrive | | | 1 | A |
| Contact resistance static | Measured with 40% overdrive Start Value | | | 150 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 1 | | | TOhm |
| Breakdown voltage | according to EN 60255-5 | 0,2 | | | kV DC |
| Operate time, incl. bounce | measured with 40% overdrive | | | 0,7 | ms |
| Release time | measured with no coil excitation | | | 1,5 | ms |
| Capacity | @ 10 kHz across open switch | | 1 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|-------------------------|-----|-----|---|-------|
| Number of contacts | | | | 1 | |
| Contact - form | | | | Form C - Changeover | |
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 1,5 | | | kV DC |
| Insulation resistance Coil/Contact | 40°C, 95% R.H. | 1 | | | TOhm |
| Housing material | | | | epoxy resin | |
| Sealing compound | | | | STYCAST U 2500 HTR flex., filled Polyurethane | |
| Connection pins | | | | FeNi-alloy tin plated | |
| Reach / RoHS conformity | | | | yes | |
| Approval | | | | UL File No. NRNT2.E156887 | |
| Approval | | | | UL File No. NRNT8.E156887 | |

| Environmental data | Conditions | Min | Typ | Max | Unit |
|--------------------|-----------------------------|-----|-----|-----|------|
| Shock | 1/2 sine wave duration 11ms | | | 50 | g |



Products for tomorrow...

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Item No.:
3305190051
Item:
SIL05-1C90-51L

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------|----------------------------|--------------|-----|-----|------|
| 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 | | | |

Modifications in the sense of technical progress are reserved

Designed at: 20.01.09 Designed by: THAUKE
Last Change at: 14.09.12 Last Change by: NMIHAI

Approval at: 20.01.09 Approval by: JHEYDER
Approval at: 18.09.12 Approval by: CRUF

Version: 3