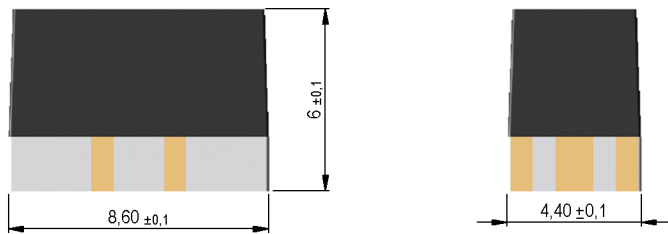
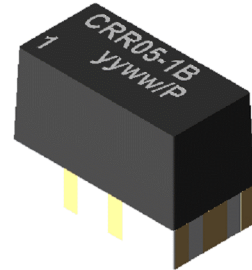


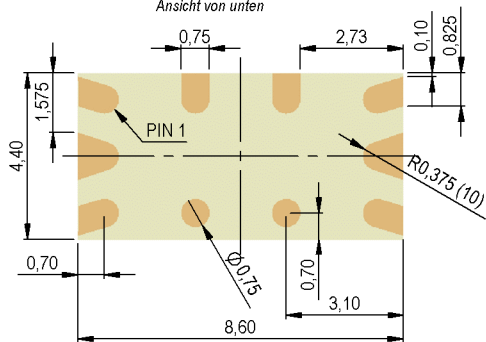
Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m



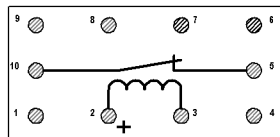
Isometric
 Scale 5:1
 Maßstab 5:1



Relay pad layout
 bottom view
 Ansicht von unten



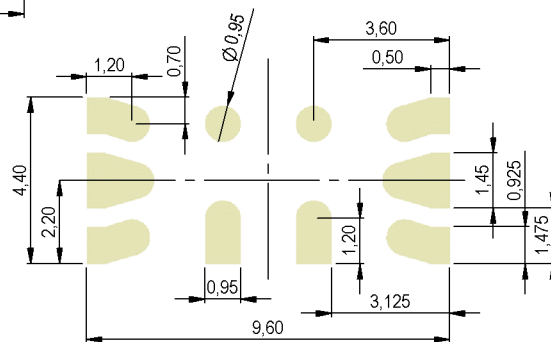
Schematic



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

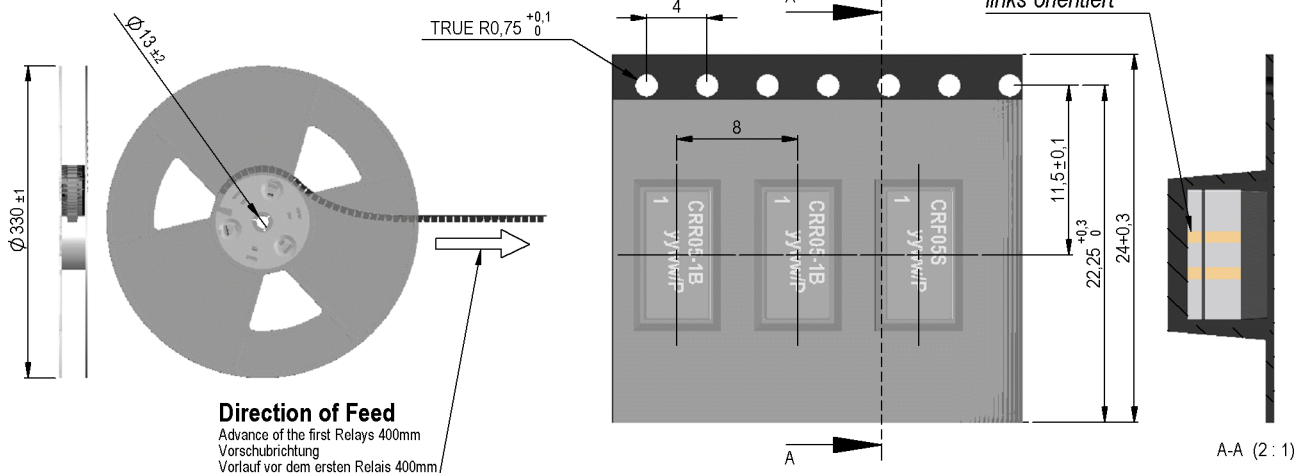


Recommended PCB Pad Layout



Relay packaging orientation

Gold pads facing to the left
 Goldpads nach links orientiert





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Item No.:
9605180112
 Item:
CRR05-1B

Products for tomorrow...

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|------|-----|------|------|
| Coil resistance | | 135 | 150 | 165 | Ohm |
| Coil voltage | | | 5 | | VDC |
| Rated power | | | 167 | | mW |
| Pull-In voltage | | | | 3,75 | VDC |
| Drop-Out voltage | | 0,75 | | | VDC |

| Contact data 80/1 | Conditions | Min | Typ | Max | Unit |
|---------------------------|----------------------------------|--------|-----|------|------|
| Contact-No. | | 80/1 | | | |
| Contact-form | | B - NC | | | |
| Contact rating | Any DC combination of V & A | | | 10 | W |
| Switching voltage | DC or Peak AC | | | 170 | 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 | | | 200 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 1 | 10 | | GOhm |
| Breakdown voltage | according to IEC 255-5 | 210 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 0,6 | ms |
| Release | measured with no coil excitation | | | 0,05 | ms |
| Capacity | @ 10 kHz across open switch | | 0,4 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|--------------------------------|-----|-----|-------|
| Number of contacts | | 1 | | | |
| Contact - form | | B - NC | | | |
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 1,5 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 10 | 100 | | TOhm |
| Case color | | black/white | | | |
| Housing material | | Ceramic + mineral filled epoxy | | | |
| Material connection pads | | W, Ni, gold plated | | | |
| Reach / RoHS conformity | | yes | | | |

| 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 | | -40 | | 125 | °C |
| Storage temperature | | -55 | | 125 | °C |
| Soldering Temperature T _{sold} | Reflow according IPC/JEDEC J-STD-0 | | | 260 | °C |
| Washability | | fully sealed | | | |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|-------------------------|------|-----|------|
| Total weight | | | 0,37 | | g |
| Packaging | | Tape & Reel / 1000 pcs. | | | |

Modifications in the sense of technical progress are reserved

Designed at: 08.04.10 Designed by: MAPODACA
 Last Change at: 06.09.11 Last Change by: CRUF

Approval at: 12.04.10 Approval by: TLANE
 Approval at: 06.09.11 Approval by: CRUF

Version: 05