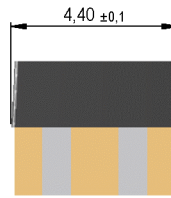
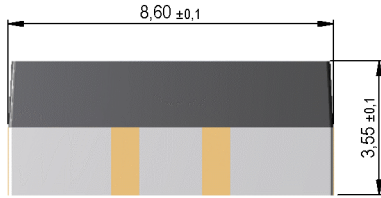
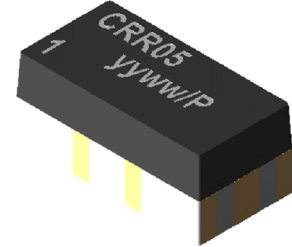


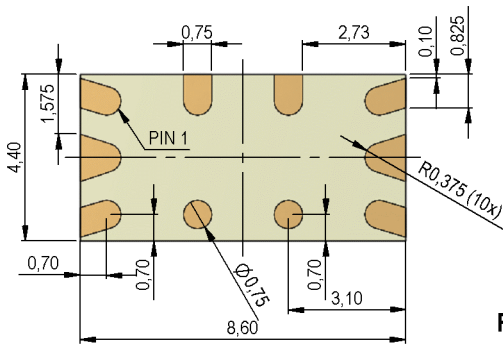
Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m



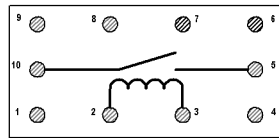
Isometric
 Scale 5:1
 Maßstab 5:1



Relay pad layout
 Bottom view
 Ansicht von unten



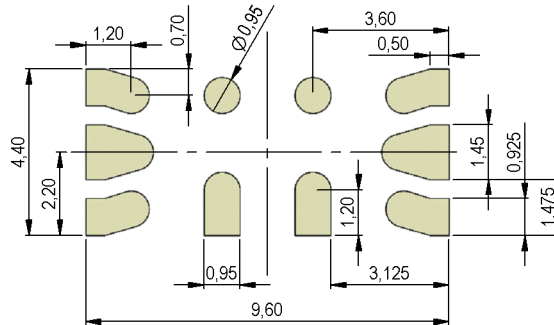
Schematic
 Top view
 Draufsicht



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

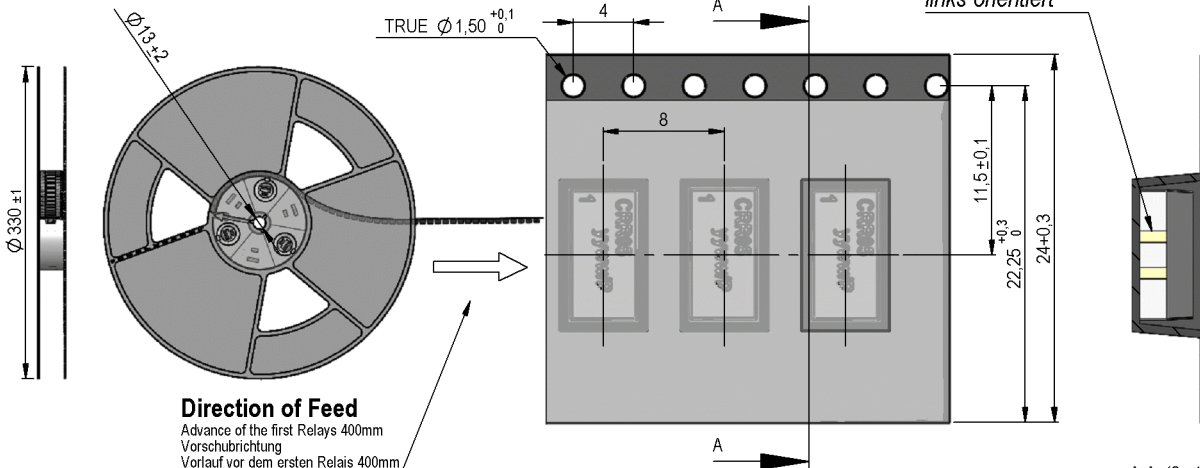


Recommended PCB Pad Layout
 top view / Ansicht von oben



Relay packaging orientation

Gold pads facing to the left
 Goldpads nach links orientiert



Direction of Feed
 Advance of the first Relays 400mm
 Vorschubrichtung
 Vorlauf vor dem ersten Relais 400mm

A-A (2:1)



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Item No.:
9605180012
 Item:
CRR05-1A

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 | | | | A | |
| 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 | | | | 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 | 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: 07.12.09 Designed by: MAPODACA
 Last Change at: 06.09.11 Last Change by: CRUF

Approval at: 21.07.11 Approval by: CRUF
 Approval at: 06.09.11 Approval by: CRUF

Version: 05