



*Products for tomorrow...*

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Item No.:

**9605180022**

Item:

**CRF05-1A**

| 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 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 EN 60255-5          | 210 |     |      | VDC  |
| Operate time incl. bounce | measured with 40% overdrive      |     |     | 0,1  | ms   |
| Release                   | measured with no coil excitation |     |     | 0,02 | 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             |     |       |
| Magnetic Shield                    |                                    |     | yes                            |     |       |
| Approval                           |                                    |     | UL-File No. NRNT2.E156887      |     |       |
| 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 Tsold | Reflow according IPC/JEDEC J-STD-020C |     |                                                        | 260 | °C   |
| Washability                 |                                       |     | fully sealed                                           |     |      |
| Remark                      |                                       |     | RF data available upon request, please consult factory |     |      |

| 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: 16.11.09 Designed by: RPYPEC

Approval at: 16.11.09 Approval by: TLANE

Last Change at: 19.07.12 Last Change by: CRUF

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