



Products for tomorrow

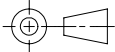
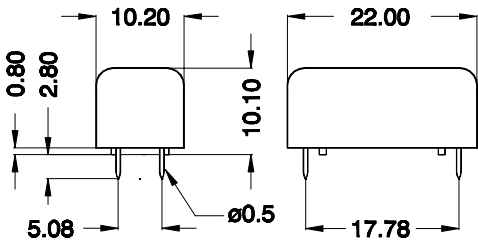
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Reed Relay: NP-CL-1A81-9-213

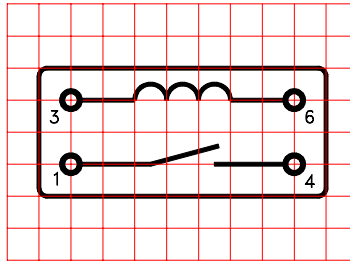
Part Number: 3118109213

Dimensions (mm)

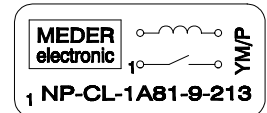


Pins: Ø 0,5 mm / L 2,8 ± 0,3 mm

Layout 213 / Pitch 2,54 mm / Top View



Marking



MEDER-Label
 Layout
 Type
 Production-
 Code-
 EN60062
 /Factory Code

| Coil/Relay Characteristics | Conditions at 20°C | Min. | Typ. | Max. | Units |
|----------------------------|--------------------|------|------|------|-------|
| Coil Resistance | | 8,1 | 9 | 9,9 | Ω |
| Pull-in current | | | | 15,0 | mA DC |
| Drop-out current | | 5,0 | | | mA DC |
| Coil current | | | | 404 | mA DC |
| Coil current | at 60°C | | | 250 | mA DC |
| Inductivity | at 1 Mhz | 2,7 | | 4,0 | |

| Contact Data 81 (Form A/Dry) | | | | | |
|-------------------------------------|--|------------------|-----|-----|-----|
| Contact Rating | Any combination of the switching voltage and current must not exceed the given rated power | | | 5 | W |
| Switching Voltage | DC or Peak AC | | | 90 | V |
| Switching Current | DC or Peak AC | | | 0,5 | A |
| Carry Current | DC or Peak AC | | | 1,0 | A |
| Static Contact Resistance (initial) | Measured with Nominal Voltage | | | 200 | mΩ |
| Insulation Resistance | RH 45% | 10 ¹² | | | Ω |
| Breakdown Voltage | | 100 | | | VDC |
| Operate Time, including Bounce | Measured with Nominal Voltage | | | 0,5 | ms |
| Release Time | Measured with no coil suppression | | | 0,1 | ms |
| Capacitance | | | 0,3 | | pF |

| Environmental Data | | | | | |
|---------------------------------------|----------------------------|------------------|--|---|-------|
| Insulation Resistance Coil to Contact | RH 45% | 10 ¹⁰ | | | Ω |
| Dielectric Strength Coil to Contact | | 2,12 | | | kV DC |
| Shock | ½ sine wave, duration 11ms | | | 50 | g |
| Vibration | from 10 - 2000 Hz | | | 20 | g |
| Operating Temperature | 10°C/min max. allowable | -20 | | 70 | °C |
| Storage Temperature | 10°C/min max. allowable | -25 | | 85 | °C |
| Soldering Temperature | 5 sec. at | | | 260 | °C |
| Cleaning | | | | fully sealed | |
| Material of Case | | | | Metal shielding | |
| Sealing Compound | | | | Hydroxyle groups-containing ester Self-extinguishing V-2 according to UL94 | |
| Material of Pins | | | | Cu-alloy tinned | |