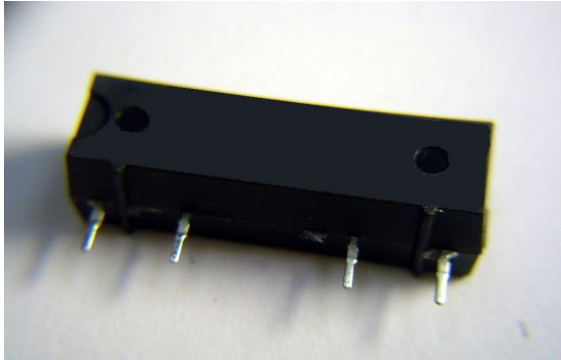




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Features

- * SIL 1 form A - 10 W epoxy molded dry reed relays
- * Diëlectric withstanding voltage of 2000 VDC over open contact
- * Designed for ATE markets where high isolation and breakdown voltages are needed
- * Completely washable
- * High density board mounting
- * Optional internal diode & magnetic shield

Technical data (@ 25 °C)

| Input Data / Coil Data | Conditions | | unit |
|---------------------------|--------------|------|------|
| Nominal voltage | | 24 | V |
| Coil resistance | Ohms (± 10%) | 2100 | ohm |
| Must operate / Pull in V | | 18 | V |
| Must release / Drop out V | | 2 | V |
| Nominal input power | | 275 | mW |
| Maximum voltage | | 28 | V |

Output Data/Contact Data

| | | | |
|-------------------------|----------------------------|---------------------------------------|------|
| Contact form | | 1A | |
| Max. switching power | Max DC/PeakAC Resistive | 10 | W |
| Max. switching voltage | Max DC/PeakAC Resistive | 500 | V |
| Max. switching current | Max DC/PeakAC Resistive | 0,5 | A |
| Max. carry current | Max DC/PeakAC Resistive | 1,3 | A |
| Switching frequency | | 500 | Hz |
| Max. contact resistance | 50 mV, 10 mA | 100 | mOhm |
| Life expectancy | Signal level 1 V, 10 mA | min. 100 x 10 ⁶ operations | |

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Technical data (@ 25 °C)

| Relay parameters | Conditions | MIN | TYP | MAX | UNITS |
|----------------------------|---|------------------|------------------|------|---------------|
| Insulation resistance | between all isolated pins at 100 V, 25 °C, 40% RH | 10 ¹¹ | 10 ¹² | | Ohms |
| Capacitance | Across open contacts | | - | | |
| | Open contact to coil | | - | | |
| Dielectric strength | Between contacts | 2000 | | | VDC / peak AC |
| | Contacts to coil | 2500 | | | VDC / peak AC |
| Operate time (incl.bounce) | At nominal coil voltage, 10 Hz Sq.W. | | 0.25 | 0.50 | ms |
| Release time | Zener-diode suppression | | 0.20 | 0.30 | ms |

Environmental Ratings

| | | | | | |
|---------------------------|---|-----|---|-----|-------|
| Operating temperature | | -40 | | 85 | °C |
| Storage temperature | | -40 | | 125 | °C |
| Shock resistance | 1/2 sine wave duration 11 ms | | | 100 | g |
| Vibration resistance | 5 to 2000 Hz | | | 20 | g |
| Weight | | | 2 | | grams |
| Humidity test | 40 °C, 93% RH, 21 days | | | | |
| Terminal solderability | IEC 68-2-20 test Ta, method 1, solderbath temp 235 °C, immersion time 2 sec | | | | |
| Resistance to solder heat | IEC 68-2-20 test Tb, method 1A, solderbath temp 260 °C, immersion time 10 sec | | | | |

Dimensions & Pin layout

