



## STANDARD POWER RELAYS



✓ Active

TE CONNECTIVITY (TE)

### RY611012

Schrack | RYII Power PCB Relay

#### RY611012

TE Internal Number: 1-1393225-9

Converted to EU RoHS/ELV Compliant

Contact Current Rating (A) **8**

Coil Power Rating (DC) (mW) **230**

Insulation Clearance Class **5 – 8mm**

Insulation Creepage Class **5.5 – 8mm**

Terminal Type **PCB-THT**

### Catalog Pages/Data Sheets

[Miniature Power PCB Relay RYII](#)

PDF  
English

### Product Specifications

Product Specification

[Definitions Relays](#)

PDF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_1-1393225-9\\_100120141134\\_dmtec](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information.

Product Type Features

Product Type

Relay

Relay Type

Miniature PCB Relay

Electrical Characteristics

Coil Power Rating (DC) (mW)

**230**

Insulation Creepage Class

**5.5 – 8mm**

Coil Voltage Rating (VDC)

**12**

Contact Voltage Rating (VAC)

**250**

Contact Switching Voltage (Max) (VAC)

**400**

Contact Limiting Breaking Current (A)

**8**

Contact Limiting Continuous Current (A)

**8**

|  |                         |
|--|-------------------------|
| Coil Magnetic System   | <b>Monostable, DC</b>   |
| Contact Limiting Short-Time Current (A)                        | <b>8</b>                |
| Insulation Creepage Between Contact and Coil                   | <b>8 mm [ .315 in ]</b> |
| Coil Resistance ( $\Omega$ )                                   | <b>627</b>              |
| Contact Limiting Making Current (A)                            | <b>8</b>                |
| Contact Switching Load (Min)                                   | <b>500mA @ 12V</b>      |
| Insulation Initial Dielectric Between Open Contacts (Vrms)     | <b>1000</b>             |
| Insulation Initial Dielectric Between Contacts and Coil (Vrms) | <b>5000</b>             |
| Coil Power Rating Class  | <b>200 – 300 mW</b>     |
| Insulation Initial Dielectric Between Coil/Contact Class       | <b>&gt;4000V</b>        |

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|               |                             |  |
|---------------|-----------------------------|--|
| Body Features | Insulation Special Features | <b>Tracking Index of Relay Base PTI250</b> |
|               | Weight                      | <b>8 g [ .282 oz ]</b>                     |

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|                  |                            |                                |
|------------------|----------------------------|--------------------------------|
| Contact Features | Contact Current Rating (A) | <b>8</b>                       |
|                  | Terminal Type              | <b>PCB-THT</b>                 |
|                  | Contact Arrangement        | <b>1 Form C (CO)</b>           |
|                  | Contact Number of Poles    | <b>1</b>                       |
|                  | Contact Material           | <b>AgNi0.15</b>                |
|                  | Contact Current Class      | <b>5 – 10 A, Less Than 16A</b> |

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|                       |               |                              |
|-----------------------|---------------|------------------------------|
| Mechanical Attachment | Mounting Type | <b>Printed Circuit Board</b> |
|-----------------------|---------------|------------------------------|

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|            |   |                             |
|------------|---|-----------------------------|
| Dimensions | Insulation Clearance Class                    | <b>5 – 8mm</b>              |
|            | Length Class (Mechanical) (mm)                | <b>25 – 30</b>              |
|            | Length  | <b>28.5 mm [ 1.122 in ]</b> |
|            | Height Class (Mechanical) (mm)                | <b>12 – 13</b>              |
|            | Height  | <b>12.3 mm [ .484 in ]</b>  |
|            | Insulation Clearance Between Contact and Coil | <b>8 mm [ .315 in ]</b>     |
|            | Width Class (Mechanical) (mm)                 | <b>10 – 12</b>              |
|            | Width (in)                                    | <b>.398</b>                 |

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|                  |   |                         |
|------------------|---|-------------------------|
| Usage Conditions | Environmental Category of Protection    | <b>RTII</b>             |
|                  | Environmental Ambient Temperature (Max) | <b>70 °C [ 158 °F ]</b> |
|                  | Environmental Ambient Temperature Class | <b>50 – 70°C</b>        |

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Packaging Features

Packaging Method

**Tube, Tube/Box**

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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)