

# Data sheet

## RM3-2W 24 V AC

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P/N

11051010

EAN 4250184122326

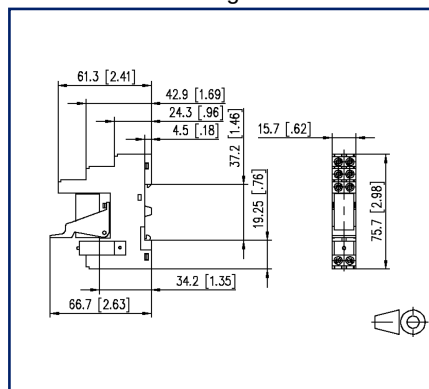
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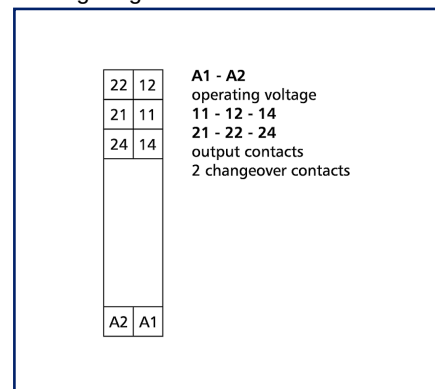
## Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

## Product specification

Relay module for electrical isolation between logic and load.

- Connection with screw-type terminals
- pluggable relay
- with labeling field



## Technical Data

### Supply

|                          |         |
|--------------------------|---------|
| Operating voltage        | 24 V AC |
| Power consumption (max.) | 32 mA   |
| Power consumption coil   | 350 Ohm |
| Nominal power coil       | 0.74 VA |

### Outputs

|                                    |                                    |
|------------------------------------|------------------------------------|
| Contacts                           | 2 changeover contacts              |
| Contact material                   | AgNi 90/10                         |
| Switching voltage (max.)           | 250 V AC                           |
| Switching load (min.)              | 5 V DC / 10 mA                     |
| Switching capacity AC-1            | 2000 VA                            |
| Switch-on current                  | 15 A                               |
| Continuous Current                 | 8 A                                |
| Switching frequency                | 360 switching cycles/h             |
| Breaking capacity (resistive load) |                                    |
| Mechanical life                    | 5x10 <sup>6</sup> switching cycles |
| Electrical life                    | 1x10 <sup>6</sup> switching cycles |
| Test voltage coil / contact        | 5,000 V <sub>eff</sub>             |
| Test voltage open contact          | 1,000 V <sub>eff</sub>             |
| Indicator                          | red LED                            |

### Insulation coil - contact set

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| Nominal voltage of the power supply system | 230 / 400 V AC                           |
| Overvoltage category                       | III   II                                 |
| Degree of pollution                        | 2   2                                    |
| Rated test voltage                         | 4 kV   2.5 kV                            |
| Type of insulation                         | basic insulation   reinforced insulation |

### Housing

|                       |                                  |
|-----------------------|----------------------------------|
| Dimensions            |                                  |
| Dimension (W x H x D) | 15.5 mm x 75 mm x 65 mm          |
| Dimension (W x H x D) | 0.61 in. x 2.953 in. x 2.559 in. |
| Weight                | 95 g                             |
| Mounting style        | Standard rail TH35               |
| Mounting position     | any                              |



## Technical Data

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| <b>Housing</b>                       |                                                        |
| Apposition                           | without distance                                       |
| Connection type                      | Screw type terminal blocks                             |
| <b>Terminal blocks</b>               |                                                        |
| Wire cross section solid             | 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12  |
| Wire cross section multi             | 0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12 |
| Wire cross section with wire ferrule | 0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 22-12 |
| Screw torque (max.)                  | 0.5 Nm                                                 |
| Stripping length (min.)              | 8 mm                                                   |
| <b>Material</b>                      |                                                        |
| Color                                | black                                                  |
| <b>Temperature range</b>             |                                                        |
| Operating                            |                                                        |
| Temperature - Operating °C           | -20 °C - 55 °C                                         |
| Temperature - Operating °F           | -4 °F - 131 °F                                         |
| Storage                              |                                                        |
| Temperature - Storage °C             | -25 °C - 70 °C                                         |
| Temperature - Storage °F             | -13 °F - 158 °F                                        |
| <b>Power loss</b>                    |                                                        |
| Power loss (typical)                 | 2.4 W                                                  |
| <b>Classifications</b>               |                                                        |
| ETIM 6.0                             | EC000310                                               |
| ETIM 7.0                             | EC001437                                               |
| ETIM 8.0                             | EC001437                                               |
| ETIM 9.0                             | EC001437                                               |

# C | Logline

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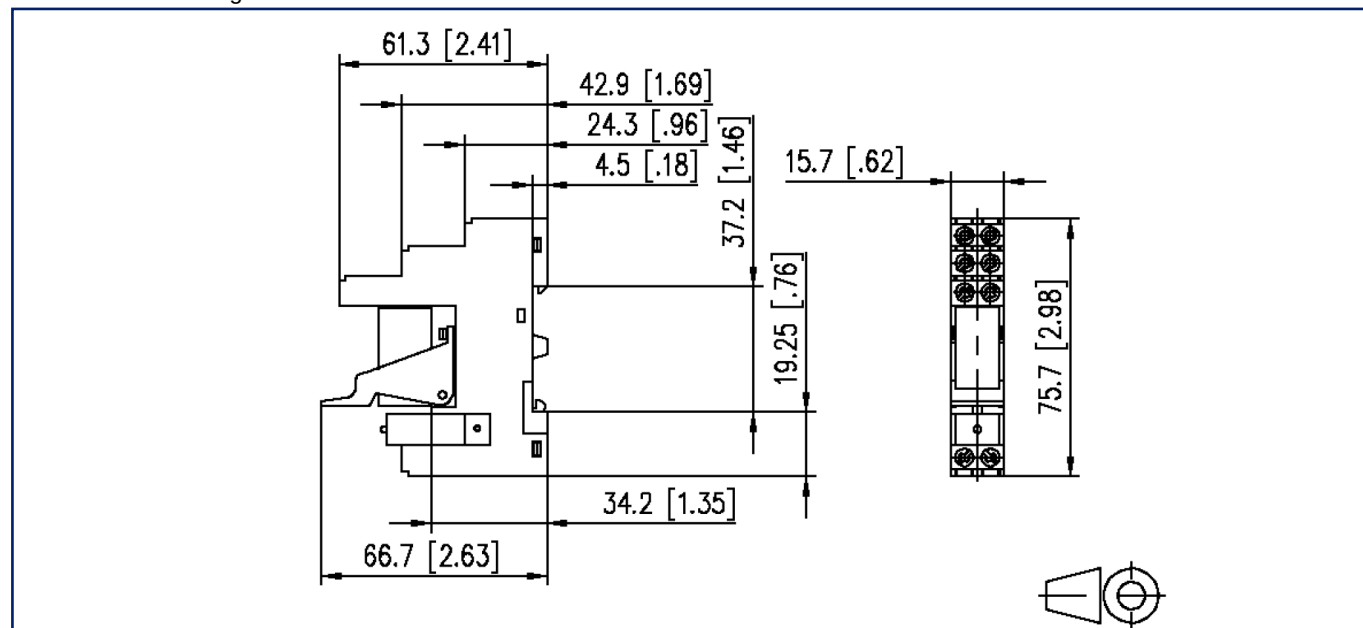
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## Accessories

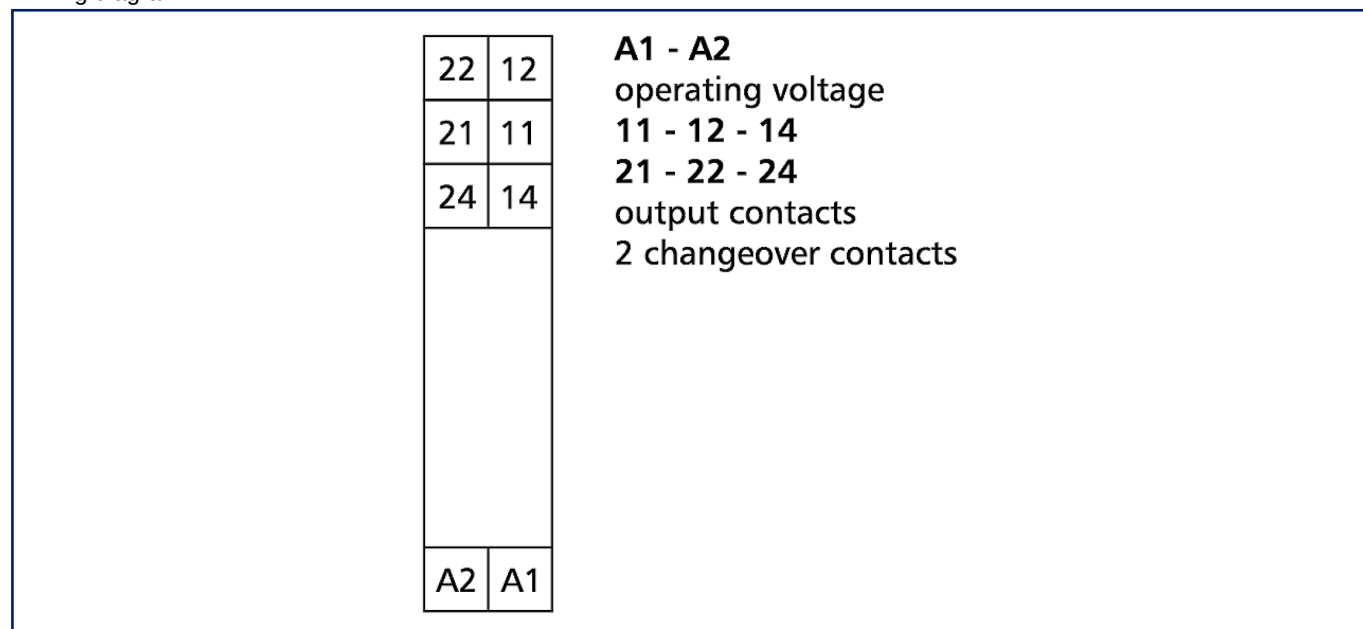
| P/N      | Designation        |
|----------|--------------------|
| 11017905 | RC Module 230 V AC |
| 11017910 | RC Module 24 V AC  |

## Illustrations

### Dimensional drawing



### Wiring diagram



## Illustrations

Circuit diagram

