

## RIDERSERIES RPW RPW702024

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Germany  
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### Product image



Standard relays in the RIDERSERIES RPW.

- 3 CO contacts
- Optionally AC or DC coils
- Mechanical operating display

### General ordering data

|                     |   |
|---------------------|---|
| Delivery status     | <b>This article will no longer be available in the future.</b>  |
| Available until     | 2018-12-31  |
| Type                | RPW702024   |
| Order No.           | <a href="#">8690760000</a>  |
| Version             | RIDERSERIES RPW, Relay, No. of contacts: 3 CO contact AgCdO, Rated control voltage: 24 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm) |
| GTIN (EAN)          | 4032248361342   |
| Qty.                | 25 pc(s).   |
| Alternative product | <a href="#">1219790000</a>  |

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 38.5 mm | Width (inches)  | 1.516 inch |
| Height     | 35.5 mm | Height (inches) | 1.398 inch |
| Depth      | 48.5 mm | Depth (inches)  | 1.909 inch |
| Net weight | 91.88 g |                 |            |

**Temperatures**

|                             |  |                             |                |
|-----------------------------|--|-----------------------------|----------------|
| Humidity                    | 40 °C / 93 % rel. humidity,<br>no condensation | Operating temperature, max. | 50 °C          |
| Operating temperature, min. | -45 °C   | Storage temperature, max.   | 50 °C          |
| Storage temperature, min.   | -40 °C   | Operating temperature       | -45 °C...50 °C |
| Storage temperature         | -40 °C...50 °C                                 |                             |                |

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Rated data UL**

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E224238 |
|-------------------------|---------|

**Input**

|                       |              |                                |                 |
|-----------------------|--------------|--------------------------------|-----------------|
| Rated control voltage | 24 V DC      | Rated current DC               | 69.6 mA         |
| Power rating          | 1.6 W        | Pull-in/drop-out voltage, typ. | 18 V / 2.4 V DC |
| Coil resistance       | 345 Ω ± 10 % |                                |                 |

**Output**

|                         |               |  |              |
|-------------------------|---------------|--|--------------|
| Rated switching voltage | 400 VAC       | Max. switching voltage, AC             | 440 V        |
| Continuous current      | 16 A          | Inrush current                         | 40 A / 20 ms |
| Switch-on delay         | ≤ 15 ms       | Switch-off delay                       | ≤ 10 ms      |
| Min. switching power    | 100 mA @ 24 V | Max. switching frequency at rated load | 0.1 Hz       |

**Contact data**

|              |                      |                         |                                       |
|--------------|----------------------|-------------------------|---------------------------------------|
| Contact type | 3 CO contact (AgCdO) | Mechanical service life | 20 x 10 <sup>6</sup> switching cycles |
|--------------|----------------------|-------------------------|---------------------------------------|

**General data**

|                                      |       |             |             |
|--------------------------------------|-------|-------------|-------------|
| Rail                                 | TS 35 | Test button | No          |
| Mechanical switch position indicator | Yes   | Colour      | Transparent |
| UL 94 flammability rating            | V-2   |             |             |

**Insulation coordination**

|  |                                |  |                                |
|--|--------------------------------|--|--------------------------------|
| Rated voltage                                  | 250 V                          | Surge voltage category                       | III                            |
| Pollution severity                             | 2                              | Insulating material group                    | IIIa                           |
| Protection degree                              | IP20                           | Dielectric strength, Input/Output            | 2.5 kV <sub>eff</sub> / 1 Min. |
| Creepage and clearance distance input – output | ≥ 4 mm                         | Dielectric strength of neighbouring contacts | 2.5 kV <sub>eff</sub> / 1 Min. |
| Dielectric strength of open contact            | 1.5 kV <sub>eff</sub> / 1 min. | Impulse withstand voltage                    | 4 kV (1.2/50 μs)               |

**Data sheet**

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**Technical data**

**Further details of approvals / standards**

|                         |                    |                       |                |
|-------------------------|--------------------|-----------------------|----------------|
| Standards               | IEC 61810-1, UL508 | Certificate No. (CSA) | 249409-2426937 |
| Certificate No. (cURus) | E224238            |                       |                |

**Connection data**

|                        |   |
|------------------------|---|
| Wire connection method | Flat blade connections<br>(4.8 mm x 0.5 mm) |
|------------------------|---|

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001437    | ETIM 4.0   | EC001437    |
| ETIM 5.0   | EC001437    | ETIM 6.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 5.1 | 27-37-16-01 |
| eClass 6.2 | 27-37-16-01 | eClass 7.1 | 27-37-16-01 |
| eClass 8.1 | 27-37-16-01 | eClass 9.0 | 27-37-16-01 |
| eClass 9.1 | 27-37-16-01 |            |             |

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

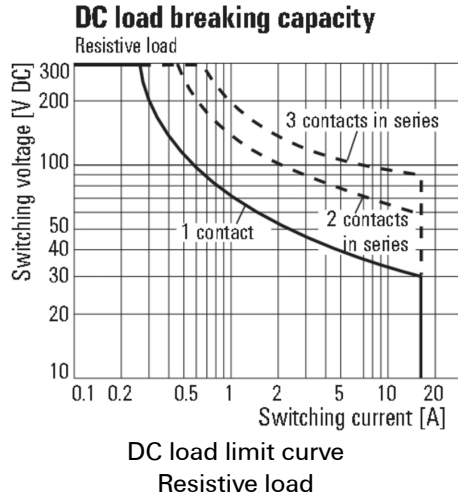
|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PA5600_160401_003.pdf</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>             |

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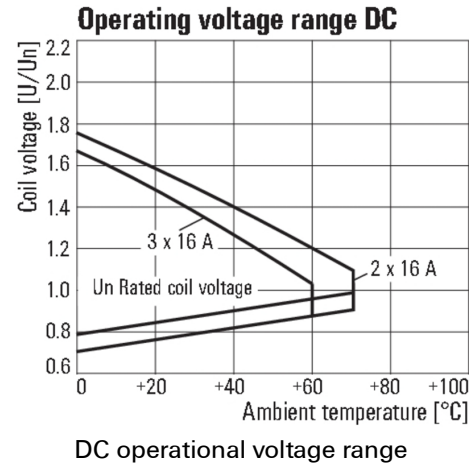
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**Drawings**

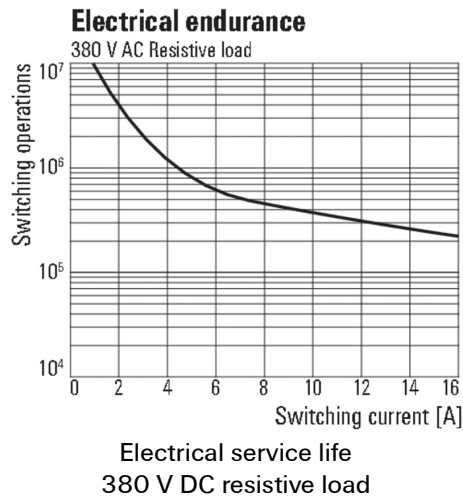
**Graph**



**Graph**



**Graph**



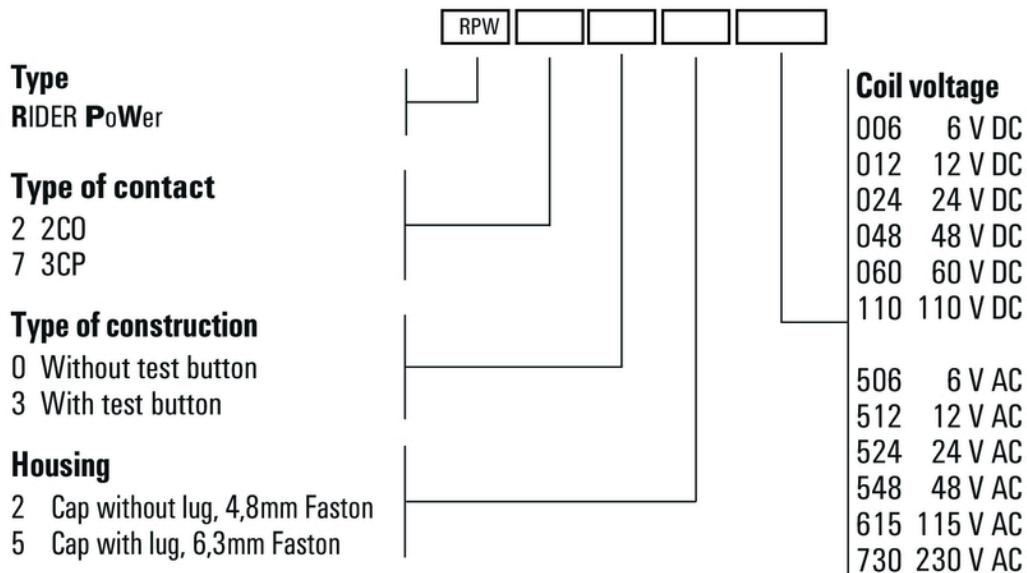
**Data sheet**

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**Drawings**

**Miscellaneous**



Type codes