

**RCM270024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

Individual relays within the RIDERSERIES RCM

- 2 CO contacts
- Optional AC or DC coils
- With test button

**General ordering data**

|                     |                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version             | RIDERSERIES RCM, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 12 A, Plug-in connection, Test button available: Yes |
| Order No.           | <a href="#">8689860000</a>                                                                                                                                               |
| Type                | RCM270024                                                                                                                                                                |
| GTIN (EAN)          | 4032248360536                                                                                                                                                            |
| Qty.                | 10 pc(s).                                                                                                                                                                |
| Delivery status     | <b>This article will no longer be available in the future.</b>                                                                                                           |
| Available until     | 2026-06-30                                                                                                                                                               |
| Alternative product | <a href="#">3052800000</a>                                                                                                                                               |

Creation date June 13, 2025 5:26:23 AM CEST

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## Technical data

### Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 29 mm    | Depth (inches)  | 1.142 inch |
| Height     | 28 mm    | Height (inches) | 1.102 inch |
| Width      | 22.5 mm  | Width (inches)  | 0.886 inch |
| Net weight | 26.815 g |                 |            |

### Temperatures

|                     |                                                |                       |                |
|---------------------|------------------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C                                 | Operating temperature | -40 °C...70 °C |
| Humidity            | 40 °C / 93 % rel. humidity,<br>no condensation |                       |                |

### Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E522350 |
|-------------------------|---------|

### Control side

|                       |         |                  |              |
|-----------------------|---------|------------------|--------------|
| Rated control voltage | 24 V DC | Rated current DC | 30.9 mA      |
| Power rating          | 741 mW  | Coil resistance  | 777 Ω ± 10 % |
| Status indicator      | No      |                  |              |

### Load side

|                                         |                                                                                                    |                                         |                                            |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------|
| Rated switching voltage                 | 240 V AC                                                                                           | Continuous current                      | 12 A                                       |
| Max. switching frequency at rated load  | 0.1 Hz                                                                                             | Max. switching voltage, AC              | 250 V                                      |
| Inrush current                          | 24 A / 20 ms                                                                                       | AC switching capacity (resistive), max. | 3000 VA                                    |
| DC switching capacity (resistive), max. | 288 W @ 24 V                                                                                       | Switch-on delay                         | ≤ 15 ms                                    |
| Switch-off delay                        | ≤ 10 ms                                                                                            | Contact type                            | 2 CO contact (AgNi)                        |
| Mechanical service life                 | AC coil 20 x 10 <sup>6</sup> switching<br>cycles, DC coil 30 x 10 <sup>6</sup><br>switching cycles | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12<br>V, 100 mA @ 5 V |

### General data

|                                      |     |                        |                                                  |
|--------------------------------------|-----|------------------------|--------------------------------------------------|
| Test button available                | Yes | Version of test button | Lockable test button, Mo-<br>mentary test button |
| Mechanical switch position indicator | Yes | Colour                 | Transparent                                      |
| UL 94 flammability rating            | V-2 |                        |                                                  |

### Insulation coordination

|                                                                  |                                |                                                     |                                |
|------------------------------------------------------------------|--------------------------------|-----------------------------------------------------|--------------------------------|
| Rated voltage                                                    | 250 V                          | Pollution severity                                  | 2                              |
| Surge voltage category                                           | III                            | Insulating material group                           | IIIa                           |
| Clearance and creepage distances for<br>control side - load side | ≥ 4 mm                         | Dielectric strength for control side - load<br>side | 2.5 kV <sub>eff</sub> / 1 Min. |
| Dielectric strength of neighbouring con-<br>tacts                | 2.5 kV <sub>eff</sub> / 1 Min. | Dielectric strength of open contact                 | 1.2 kV <sub>eff</sub> / 1 min. |
| Impulse withstand voltage                                        | 5 kV (1.2/50 μs)               | Protection degree                                   | IP20                           |

### Further details of approvals / standards

|                         |                |                       |          |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA)   | 249409-2426937 | Certificate No. (VDE) | 40011762 |
| Certificate No. (cURus) | E522350        |                       |          |

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## Technical data

## Connection data

|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | EC001437    | ECLASS 9.0  | 27-37-16-01 |
| ECLASS 9.1  | 27-37-16-01 | ECLASS 10.0 | 27-37-16-01 |
| ECLASS 11.0 | 27-37-16-01 | ECLASS 12.0 | 27-37-16-01 |
| ECLASS 13.0 | 27-37-16-01 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E522350    |

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |                                                                         |

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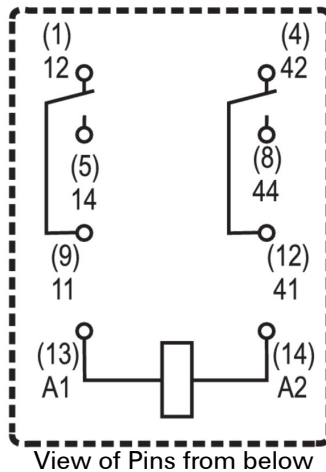
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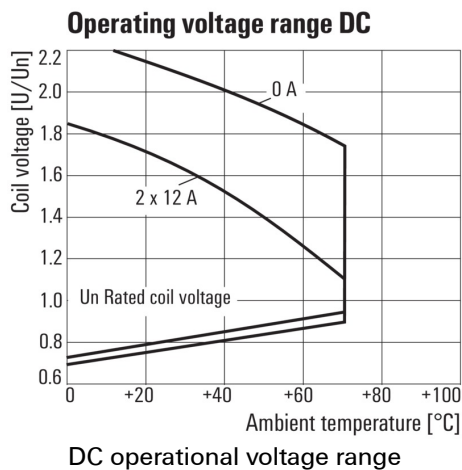
www.weidmueller.com

## Drawings

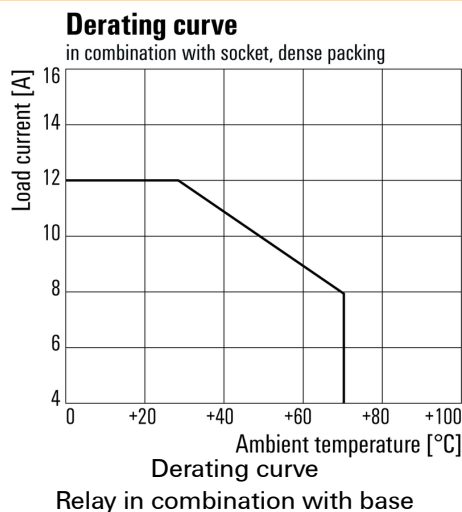
## Wiring diagram



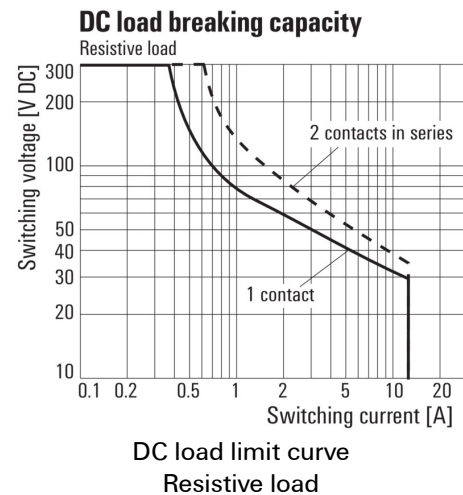
## Graph



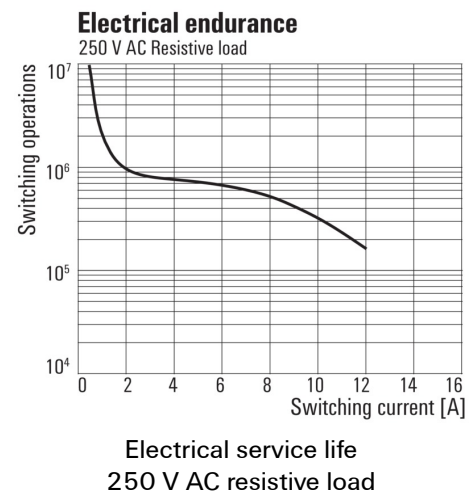
## Graph



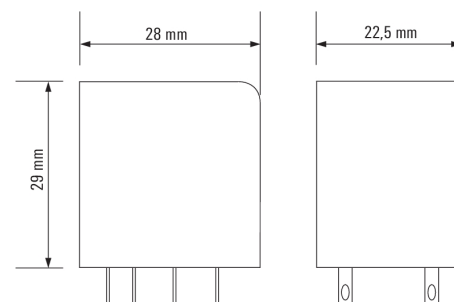
## Graph



## Graph



## Dimensional drawing



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