

**RIDERSERIES  
RCM570T30****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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Standard relays in the RIDERSERIES RCM

- 4 CO contacts
- Optionally AC or DC coils
- with test button
- Comes optionally with integrated status display and/or free-wheel diode

**General ordering data**

|            |                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">8690160000</a>                                                                                                                                     |
| Type       | RCM570T30                                                                                                                                                      |
| Version    | RIDERSERIES, Relais, No. of contacts: 4, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 6 A, Plug-in connection |
| GTIN (EAN) | 4032248360819                                                                                                                                                  |
| Qty.       | 10 pc(s).                                                                                                                                                      |

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**Technical data**
**Ratings**

|                             |                    |          |                                                |
|-----------------------------|--------------------|----------|------------------------------------------------|
| Conductor connection system | Plug-in connection | Humidity | 40 °C / 93 % rel. humidity,<br>no condensation |
| UL 94 flammability rating   | V-0                |          |                                                |

**Dimensions and weights**

|       |         |            |        |
|-------|---------|------------|--------|
| Width | 22.5 mm | Height     | 28 mm  |
| Depth | 29 mm   | Net weight | 28.2 g |

**Temperatures**

|                       |                 |                     |                 |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+70 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------|-----------------|---------------------|-----------------|

**Input**

|                                     |                          |                  |         |
|-------------------------------------|--------------------------|------------------|---------|
| Rated control voltage               | 230 V AC                 | Rated current AC | 4.3 mA  |
| Coil resistance                     | 19,465 $\Omega \pm 15\%$ | Power rating     | 1.0 VA  |
| Response / drop-out voltage AC coil | 184 V / 69 V             | Status indicator | red LED |

**Output**

|                         |                                         |                                        |               |
|-------------------------|-----------------------------------------|----------------------------------------|---------------|
| Rated switching voltage | 240 V AC                                | Max. switching voltage, AC             | 240 V         |
| Continuous current      | 6 A                                     | making current                         | 12 A / 20 ms  |
| Max. switching power    | 1500 VA                                 | Response time                          | 15 ms / 10 ms |
| Min. switching power    | 100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA | Max. switching frequency at rated load | 0.1 Hz        |

**Contact specifications**

|                  |            |                         |                                                                                              |
|------------------|------------|-------------------------|----------------------------------------------------------------------------------------------|
| No. of contacts  | 4          | Contact design          | CO contact with test button                                                                  |
| Contact material | AgNi 90/10 | Mechanical service life | AC coil 20 x 10 <sup>6</sup> Switching cycles, DC coil 30 x 10 <sup>6</sup> Switching cycles |

**Insulation coordination**

|                                                  |                                |                                                               |                       |
|--------------------------------------------------|--------------------------------|---------------------------------------------------------------|-----------------------|
| Rated voltage                                    | 250 V                          | Clearance and creepage distances for control side - load side | ≥ 4 mm                |
| Dielectric strength for control side - load side | 2.5 KV <sub>eff</sub> / 1 min. | Impulse withstand voltage                                     | 5 kV (1.2/50 $\mu$ s) |
| Protection degree                                | IP 20                          | Insulating material group                                     | IIIa                  |

**Other technical data**

|         |          |                  |         |
|---------|----------|------------------|---------|
| Version | with LED | Status indicator | red LED |
|---------|----------|------------------|---------|

**Further details of approvals / standards**

|           |                    |
|-----------|--------------------|
| Standards | IEC 61810-1, UL508 |
|-----------|--------------------|

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**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 |            |             |

**Approvals**

Approvals

**Downloads**Declaration of Conformity [K295\\_12\\_10.pdf](#)

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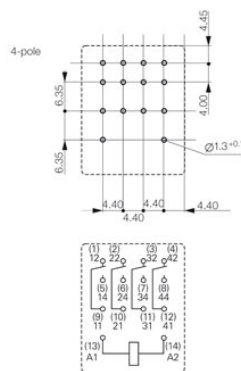
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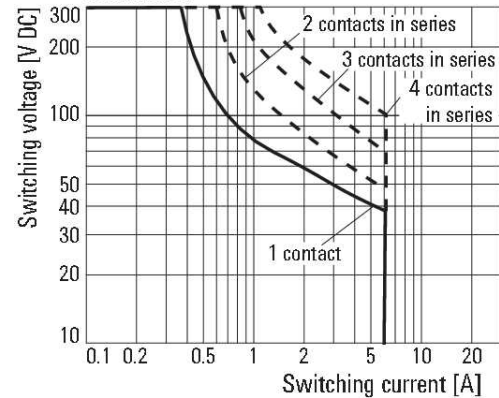
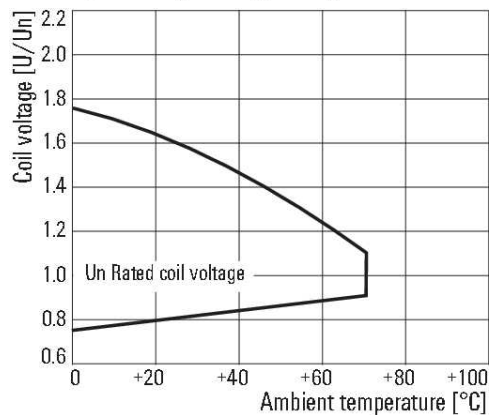
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**Drawings**
**Electric symbol**

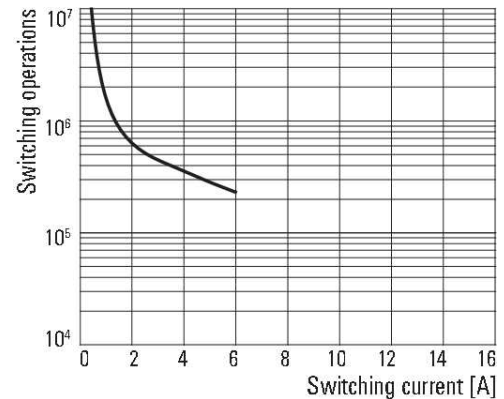
Circuit diagram  
View of connections  
Dimensions in mm


**DC load breaking capacity**

Resistive load


**Operating voltage range AC**

**Electrical endurance**

250 V AC Resistive load



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## Drawings