

RIDERSERIES
RCM370730

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Standard relays in the RIDERSERIES RCM

- 3 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. | 8690000000 |
| Type | RCM370730 |
| Version | RIDERSERIES, Relais, No. of contacts: 3, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 10 A, Plug-in connection |
| GTIN (EAN) | 4032248360673 |
| Qty. | 10 pc(s). |

RIDERSERIES
RCM370730

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Ratings

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

Dimensions and weights

| | | | |
|-------|---------|------------|--------|
| Width | 22.5 mm | Height | 28 mm |
| Depth | 29 mm | Net weight | 27.6 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 Ω ± 15 % | Power rating | 1.0 VA |
| Response / drop-out voltage AC coil | 184.0 V / 69.0 V | | |

Output

| | | | |
|-------------------------|---|--|---------------|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 400 V |
| Continuous current | 10 A | making current | 20 A / 20 ms |
| Max. switching power | 2500 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 | 3 | Contact design | CO contact with test button |
| Contact material | AgNi 90/10 | Mechanical service life | AC coil 20 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ 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 _{eff} / 1 min. | Impulse withstand voltage | 5 kV (1.2/50 μs) |
| Protection degree | IP 20 | Insulating material group | IIIa |

Other technical data

| | |
|---------|-------------|
| Version | Without LED |
|---------|-------------|

Further details of approvals / standards

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

**RIDERSERIES
RCM370730**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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

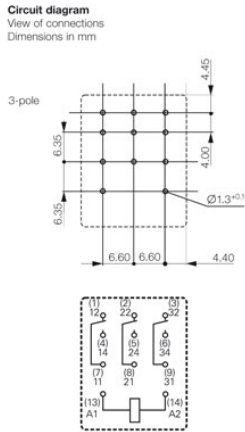
**Downloads**Declaration of Conformity [K295_12_10.pdf](#)

**RIDERSERIES
RCM370730**

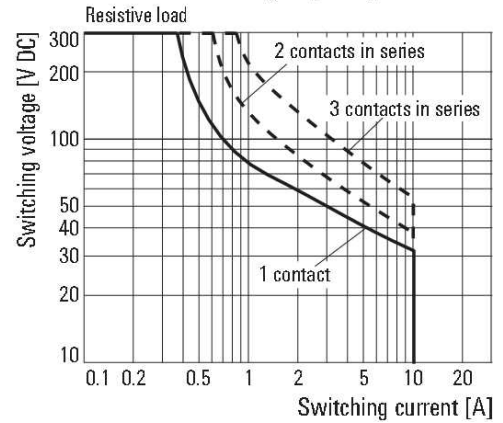
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings

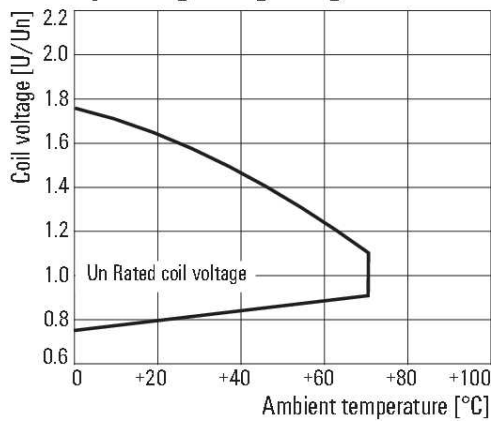
Pinning



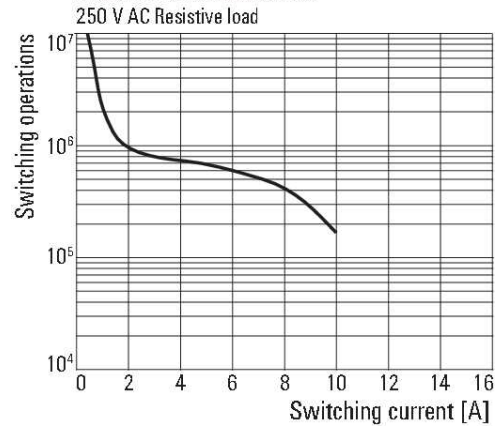
DC load breaking capacity



Operating voltage range AC



Electrical endurance



**RIDERSERIES
RCM370730**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings

| | | | | | | | |
|-----------------------------|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------|
| Type code | <input type="text" value="RCM"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | | |
| Type | <input type="text" value="RIDER Control Multiple"/> | | | | | <input type="text"/> | with LED |
| Contacts | <input type="text"/> | | | | | <input type="text"/> | + diode |
| 2 | 2 CO contacts | | | | | <input type="text"/> | |
| 3 | 3 CO contacts | | | | | <input type="text"/> | AB2 |
| 5 | 4 CO contacts | | | | | <input type="text"/> | AC4 |
| Contact material | <input type="text"/> | | | | | <input type="text"/> | AE8 |
| 7 | AgNi 90/10, with test button | | | | | <input type="text"/> | |
| 8 | AgNi 90/10 hgp, with test button | | | | | <input type="text"/> | BB0 |
| Type of construction | <input type="text"/> | | | | | <input type="text"/> | |
| 0 | Standard, 2.8 mm Faston | | | | | <input type="text"/> | |

| | | | |
|----------------|----------|-----|-----|
| DC coil | | | |
| 006 | 6 V DC | L06 | |
| 012 | 12 V DC | L12 | AB2 |
| 024 | 24 V DC | L24 | AC4 |
| 048 | 48 V DC | L48 | AE8 |
| 060 | 60 V DC | L60 | |
| 110 | 110 V DC | M10 | BB0 |
| 220 | 220 V DC | N20 | |
| AC coil | | | |
| 506 | 6 V AC | R06 | |
| 512 | 12 V AC | R12 | |
| 524 | 24 V AC | R24 | |
| 548 | 48 V AC | R48 | |
| 615 | 115 V AC | S15 | |
| 730 | 230 V AC | T30 | |