

**DRM270730L AU****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 D-SERIES DRM

- 2 CO contacts
- AC coils
- With integrated status LED

**General ordering data**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi gold-plated, Rated control voltage: 230 V AC, Continuous current: 10 A, Plug-in connection |
| Order No.  | <a href="#">7760056184</a>                                                                                                                              |
| Type       | DRM270730L AU                                                                                                                                           |
| GTIN (EAN) | 4032248922239                                                                                                                                           |
| Qty.       | 20 items                                                                                                                                                |

# DRM270730L AU

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Approvals

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

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 35.7 mm | Depth (inches)  | 1.4055 inch |
| Height     | 27.4 mm | Height (inches) | 1.0787 inch |
| Width      | 21 mm   | Width (inches)  | 0.8268 inch |
| Net weight | 34.55 g |                 |             |

### Temperatures

|                       |                |                     |                                          |
|-----------------------|----------------|---------------------|------------------------------------------|
| Storage temperature   | -40 °C...70 °C | Ambient temperature | -40 °C...55 °C                           |
| Operating temperature |                | Humidity            | 35...85 % rel. humidity, no condensation |

### Environmental Product Compliance

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

### Control side

|                       |                    |                  |                                |
|-----------------------|--------------------|------------------|--------------------------------|
| Rated control voltage | 230 V AC           | Rated current AC | 6.1 mA (50 Hz), 5.2 mA (60 Hz) |
| Power rating          | 1.0...1.2VA (60HZ) | Coil resistance  | 16000 Ω ± 10 %                 |
| Status indicator      | red LED            |                  |                                |

### Load side

|                                         |                                 |                                         |                                       |
|-----------------------------------------|---------------------------------|-----------------------------------------|---------------------------------------|
| Rated switching voltage                 | 250 V AC                        | Continuous current                      | 10 A                                  |
| Max. switching frequency at rated load  | 0.1 Hz                          | Inrush current                          | 20 A / 50 ms                          |
| AC switching capacity (resistive), max. | 2500 VA                         | DC switching capacity (resistive), max. | 240 W @ 24 V                          |
| Switch-on delay                         | <20 ms                          | Switch-off delay                        | <20 ms                                |
| Contact type                            | 2 CO contact (AgNi gold-plated) | Mechanical service life                 | 20 x 10 <sup>6</sup> switching cycles |
| Min. switching power                    | 1 mA @ 1 V                      |                                         |                                       |

### General data

|                                      |                          |                        |
|--------------------------------------|--------------------------|------------------------|
| Test button available                | No                       |                        |
| Mechanical switch position indicator | Yes                      |                        |
| Colour                               | Transparent              |                        |
| UL94 flammability rating component   | Component                | Relay cover            |
|                                      | UL94 flammability rating | V-2                    |
|                                      | Component                | Relay baseplate        |
|                                      | UL94 flammability rating | V-0                    |
|                                      | Component                | Relay status indicator |
|                                      | UL94 flammability rating | HB                     |

### Insulation coordination

|                        |       |                                                               |          |
|------------------------|-------|---------------------------------------------------------------|----------|
| Rated voltage          | 250 V | Pollution severity                                            | 2        |
| Surge voltage category | III   | Clearance and creepage distances for control side - load side | ≥ 5.5 mm |

## Technical data

|                                                  |                    |                                              |                  |
|--------------------------------------------------|--------------------|----------------------------------------------|------------------|
| Dielectric strength for control side - load side | 1.8 kVeff / 1 min. | Dielectric strength of neighbouring contacts | 1 kVeff / 1 min  |
| Dielectric strength of open contact              | 1 kVeff / 1 min    | Impulse withstand voltage                    | 6 kV (1.2/50 µs) |
| Protection degree                                | IP20               |                                              |                  |

## Connection data

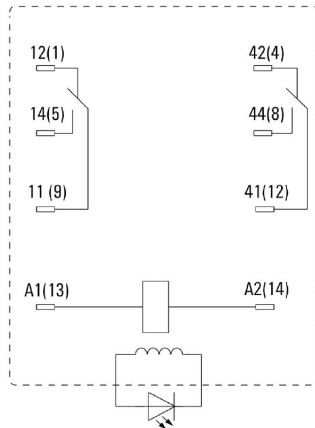
|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

## 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 |             |             |

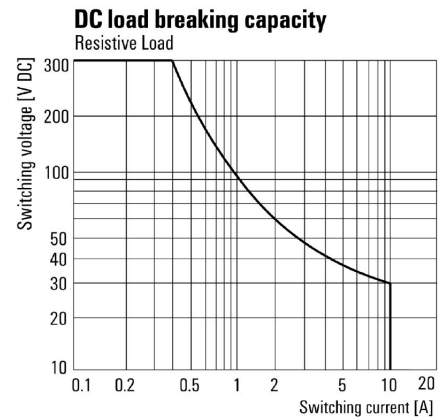
## Drawings

### Wiring diagram



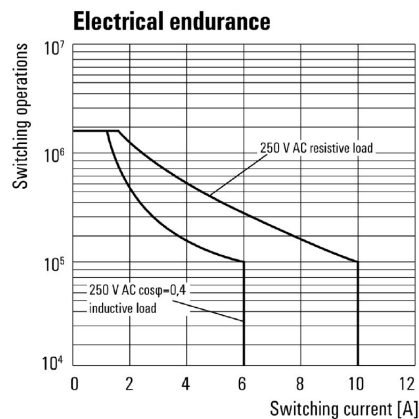
View of Pins from below

### Graph



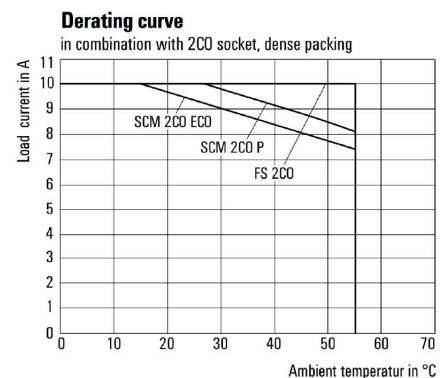
DC load limit curve Resistive load

### Graph



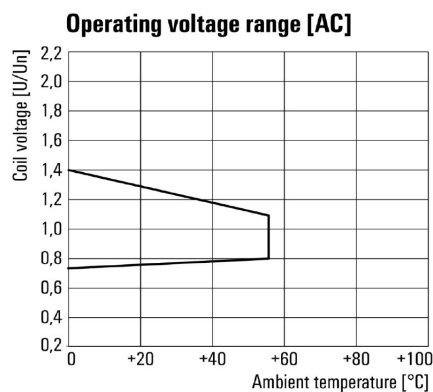
Electrical service life

### Graph



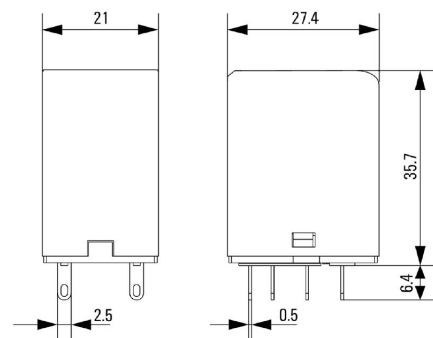
Derating curve Relay in combination with base

### Graph



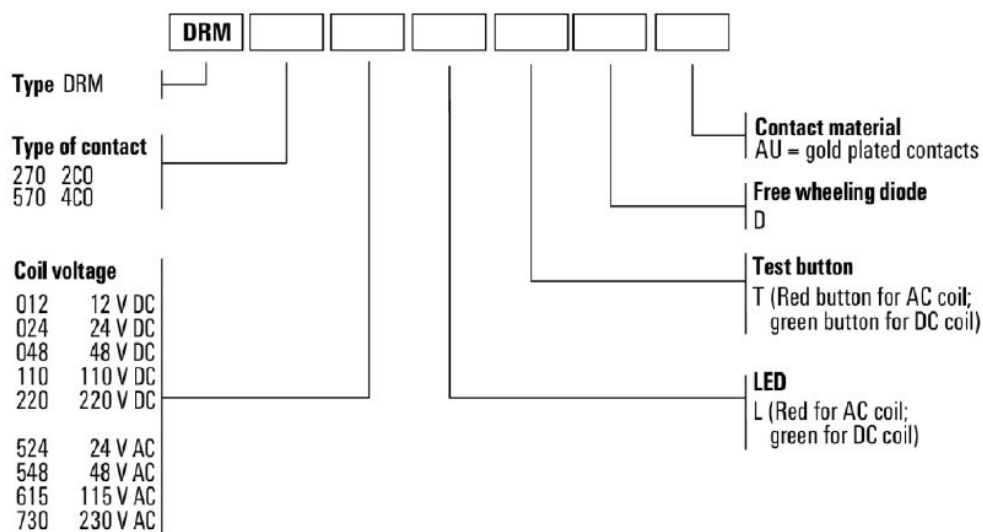
AC operational voltage range

### Dimensional drawing



## Drawings

### Miscellaneous



Type codes