

## DRM570730L

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

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

### Product image



Similar to illustration

Individual relays within the D-SERIES DRM

- 4 CO contact
- AC coils
- With integrated status LED

### General ordering data

|            |                                                                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi flash gold-plated, Rated control voltage: 230 V AC, Continuous current: 5 A, Plug-in connection |
| Order No.  | <a href="#">7760056095</a>                                                                                                                                   |
| Type       | DRM570730L                                                                                                                                                   |
| GTIN (EAN) | 4032248855698                                                                                                                                                |
| Qty.       | 20 items                                                                                                                                                     |

## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E312083                    |

## 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 | 31.15 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%       |

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E312083 |
|-------------------------|---------|

## 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  | 15000 Ω ± 10 %                 |
| Status indicator      | red LED            |                  |                                |

## Load side

|                                         |                                       |                                         |                                       |
|-----------------------------------------|---------------------------------------|-----------------------------------------|---------------------------------------|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 5 A                                   |
| Max. switching frequency at rated load  | 0.1 Hz                                | Inrush current                          | 10 A / 50 ms                          |
| AC switching capacity (resistive), max. | 1250 VA                               | DC switching capacity (resistive), max. | 120 W @ 24 V                          |
| Switch-on delay                         | <20 ms                                | Switch-off delay                        | <20 ms                                |
| Contact type                            | 4 CO contact (AgNi flash gold-plated) | Mechanical service life                 | 20 x 10 <sup>6</sup> switching cycles |
| Min. switching power                    | 10 mA @ 12 V, 100 mA @ 5 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         |  |

**Technical data**

|                          |                        |
|--------------------------|------------------------|
| 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         |
| 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               |                                                               |                  |

**Further details of approvals / standards**

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E312083 |
|-------------------------|---------|

**Connection data**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | EC001437    | 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



AC operational voltage range

Dimensional drawing



Miscellaneous



Type codes

## Accessories

### Sockets



Relay sockets for the D-SERIES DRM relays

- 2 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

#### General ordering data

|            |                            |                                                                |
|------------|----------------------------|----------------------------------------------------------------|
| Type       | FS 4CO                     | Version                                                        |
| Order No.  | <a href="#">7760056107</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 4032248855575              | Continuous current: 10 A, Screw connection                     |
| Qty.       | 10 ST                      |                                                                |
| Type       | SCM 4CO ECO                | Version                                                        |
| Order No.  | <a href="#">7760056264</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944169662973              | Continuous current: 6 A, Screw connection                      |
| Qty.       | 10 ST                      |                                                                |
| Type       | SCM 4CO P                  | Version                                                        |
| Order No.  | <a href="#">7760056363</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944169772276              | Continuous current: 6 A, PUSH IN                               |
| Qty.       | 10 ST                      |                                                                |

### Retaining clips



Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

#### General ordering data

|            |                            |                              |
|------------|----------------------------|------------------------------|
| Type       | DRM/DRL CLIP M             | Version                      |
| Order No.  | <a href="#">7760056108</a> | D-SERIES, Retaining clip     |
| GTIN (EAN) | 4032248855568              |                              |
| Qty.       | 10 ST                      |                              |
| Type       | SCM CLIP P                 | Version                      |
| Order No.  | <a href="#">7760056367</a> | D-SERIES DRM, Retaining clip |
| GTIN (EAN) | 6944169773334              |                              |
| Qty.       | 5 ST                       |                              |

## Accessories

### LED



Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With green LED

### General ordering data

|            |                            |                                                                    |  |
|------------|----------------------------|--------------------------------------------------------------------|--|
| Type       | RIM 3 110/230VUC           | Version                                                            |  |
| Order No.  | <a href="#">7940018455</a> | D-SERIES, LED module, Rated control voltage: 110...230 V UC, Plug- |  |
| GTIN (EAN) | 4032248878185              | in connection                                                      |  |
| Qty.       | 10 ST                      |                                                                    |  |

### Protection modules



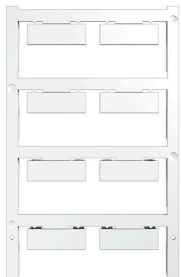
Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With free-wheeling diode or RC filter

### General ordering data

|            |                            |                                                                     |  |
|------------|----------------------------|---------------------------------------------------------------------|--|
| Type       | RIM 3 110/230VAC           | Version                                                             |  |
| Order No.  | <a href="#">7760056014</a> | D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in |  |
| GTIN (EAN) | 4032248878109              | connection                                                          |  |
| Qty.       | 10 ST                      |                                                                     |  |

### Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## Accessories

### General ordering data

|            |                            |                                                               |
|------------|----------------------------|---------------------------------------------------------------|
| Type       | ESG 9/26 SCM ECO MC NE ... | Version                                                       |
| Order No.  | <a href="#">1520980000</a> | ESG, Device markers x 26 mm, PA 66, Colour: white, pluggable  |
| GTIN (EAN) | 4050118327939              |                                                               |
| Qty.       | 80 ST                      |                                                               |
| Type       | ESG 9/26 SCM ECO MC NE ... | Version                                                       |
| Order No.  | <a href="#">1521000000</a> | ESG, Device markers x 26 mm, PA 66, Colour: grey, pluggable   |
| GTIN (EAN) | 4050118327878              |                                                               |
| Qty.       | 80 ST                      |                                                               |
| Type       | ESG 9/26 SCM ECO MC NE ... | Version                                                       |
| Order No.  | <a href="#">1520990000</a> | ESG, Device markers x 26 mm, PA 66, Colour: yellow, pluggable |
| GTIN (EAN) | 4050118327861              |                                                               |
| Qty.       | 80 ST                      |                                                               |

### Custom printing



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### General ordering data

|            |                            |                                                                                  |
|------------|----------------------------|----------------------------------------------------------------------------------|
| Type       | ESG 9/26 SCM ECO MC SDR    | Version                                                                          |
| Order No.  | <a href="#">1525800000</a> | ESG, Device markers x 26 mm, PA 66, Colour: To customer specification, pluggable |
| GTIN (EAN) | 4050118331875              |                                                                                  |
| Qty.       | 16 ST                      |                                                                                  |

### Protection modules



Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With free-wheeling diode or RC filter

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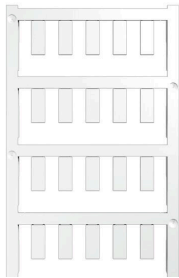
www.weidmueller.com

## Accessories

## General ordering data

|            |                            |                                                                                |
|------------|----------------------------|--------------------------------------------------------------------------------|
| Type       | RIM 3 110/230VAC LED       | Version                                                                        |
| Order No.  | <a href="#">7760056045</a> | D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in connection |
| GTIN (EAN) | 4032248878147              |                                                                                |
| Qty.       | 10 ST                      |                                                                                |

## Blank



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## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | ESG 6/15 K MC NE WS        | Version                                                           |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478781              |                                                                   |
| Qty.       | 200 ST                     |                                                                   |
| Type       | ESG 6/15 K MC NE GE        | Version                                                           |
| Order No.  | <a href="#">1880130000</a> | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910              |                                                                   |
| Qty.       | 200 ST                     |                                                                   |
| Type       | ESG 6/17 K MC NE GE        | Version                                                           |
| Order No.  | <a href="#">1880110000</a> | ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478798              |                                                                   |
| Qty.       | 200 ST                     |                                                                   |
| Type       | ESG 6/17 K MC NE WS        | Version                                                           |
| Order No.  | <a href="#">1880120000</a> | ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478804              |                                                                   |
| Qty.       | 200 ST                     |                                                                   |

**Accessories**

**ESG 6/15**



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- “Different materials for various requirements”
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

**General ordering data**

|            |                            |         |                                       |
|------------|----------------------------|---------|---------------------------------------|
| Type       | ESG 6/15 MM WS             | Version |                                       |
| Order No.  | <a href="#">2619940000</a> |         | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148              |         |                                       |
| Qty.       | 3000 ST                    |         |                                       |

**ESG 6/17**



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- “Different materials for various requirements”
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

**General ordering data**

|            |                            |         |                                       |
|------------|----------------------------|---------|---------------------------------------|
| Type       | ESG 6/17 MM WS             | Version |                                       |
| Order No.  | <a href="#">2005100000</a> |         | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728              |         |                                       |
| Qty.       | 3000 ST                    |         |                                       |

## Sockets



- Relay sockets for the D-SERIES DRM relays
- 2 and 4 CO contacts
  - Screw and PUSH IN connection
  - Standard and low heights

## General ordering data

|            |                            |                                                                |
|------------|----------------------------|----------------------------------------------------------------|
| Type       | SCM 4CO ECO                | Version                                                        |
| Order No.  | <a href="#">7760056264</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944 169662973             | Continuous current: 6 A, Screw connection                      |
| Qty.       | 10 ST                      |                                                                |
| Type       | FS 4CO                     | Version                                                        |
| Order No.  | <a href="#">7760056107</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 4032248855575              | Continuous current: 10 A, Screw connection                     |
| Qty.       | 10 ST                      |                                                                |
| Type       | SCM 4CO P                  | Version                                                        |
| Order No.  | <a href="#">7760056363</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944 169772276             | Continuous current: 6 A, PUSH IN                               |
| Qty.       | 10 ST                      |                                                                |