

D-SERIES DRM

DRM570524

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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Product image



Similar to illustration

Relay from the D-SERIES DRM.

- 2 or 4 CO contacts
- Compact design
- Wide range of coil voltages
- Optional test button (AC red, DC blue)
- Optional with integrated status display (AC red, DC green)
and/or free-wheel diode

General ordering data

| | |
|------------|--|
| Type | DRM570524 |
| Order No. | 7760056083 |
| Version | D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi 0,15 µm Au, Rated control voltage: 24 V AC, Continuous current: 5 A, Plug-in connection |
| GTIN (EAN) | 4032248855186 |
| Qty. | 20 pc(s). |

Creation date May 1, 2020 2:42:34 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 21 mm | Width (inches) | 0.827 inch |
| Height | 27.4 mm | Height (inches) | 1.079 inch |
| Depth | 35.7 mm | Depth (inches) | 1.406 inch |
| Net weight | 34.8 g | | |

Temperatures

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

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Rated data UL

Certificate No. (cURus) E312083

Input

| | | | |
|-----------------------|--------------------|--------------------------------|----------------------------------|
| Rated control voltage | 24 V AC | Rated current AC | 62.4 mA (50 Hz), 52.2 mA (60 Hz) |
| Power rating | 1.0...1.2VA (60HZ) | Pull-in/drop-out voltage, typ. | 19.2 V / 7.2 V AC |
| Coil resistance | 160 Ω ± 10 % | | |

Output

| | | | |
|---|----------------------------|---|--------------|
| Rated switching voltage | 250 V AC | Max. switching voltage, AC | 250 V |
| Continuous current | 5 A | 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 |
| Min. switching power | 10 mA @ 12 V, 100 mA @ 5 V | Max. switching frequency at rated load | 0.1 Hz |

Contact data

| | | | |
|-------------------------|---------------------------------------|--------------------|---------|
| Contact type | 4 CO contact (AgNi 0,15 µm Au) | Contact resistance | ≤ 50 mΩ |
| Mechanical service life | 20 x 10 ⁶ switching cycles | | |

General data

| | | | |
|-------------|-------------|--------------------------------------|-----|
| Test button | No | Mechanical switch position indicator | Yes |
| Colour | Transparent | UL 94 flammability rating | V-2 |

Data sheet

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Technical data

Insulation coordination

| | | | |
|--|--------------------------------|--|-----------------------------|
| Rated voltage | 250 V | Surge voltage category | III |
| Pollution severity | 2 | Protection degree | IP20 |
| Dielectric strength, Input/Output | 1.8 kV _{eff} / 1 min. | Creepage and clearance distance input – output | ≥ 5.5 mm |
| Dielectric strength of neighbouring contacts | 1 kV _{eff} / 1 min | Dielectric strength of open contact | 1 kV _{eff} / 1 min |
| Impulse withstand voltage | 6 kV (1.2/50 µs) | | |

Further details of approvals / standards

| | | | |
|-----------|--|-------------------------|---------|
| Standards | IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011, UL 508 | Certificate No. (cURus) | E312083 |
|-----------|--|-------------------------|---------|

Connection data

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

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| eClass 9.0 | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |
| eClass 10.0 | 27-37-16-01 | | |

Approvals

Approvals



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

Downloads

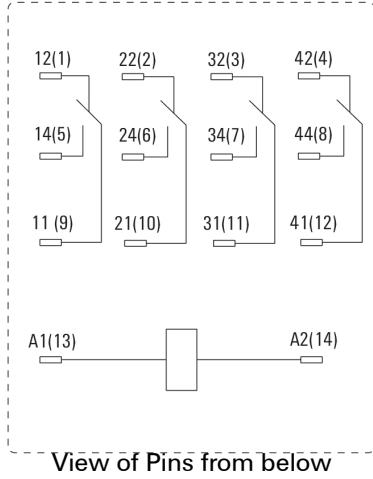
| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Brochure/Catalogue | CAT 4.2 ELECTR 18/19 EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |

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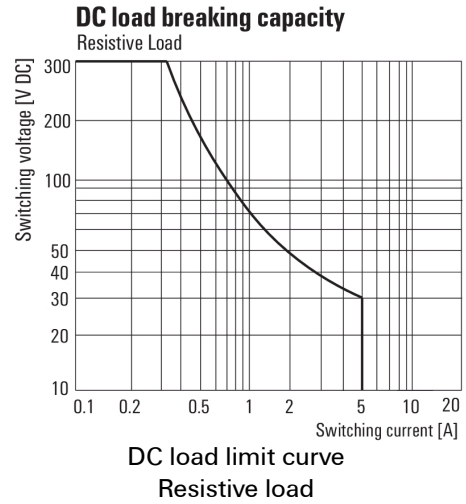
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Drawings

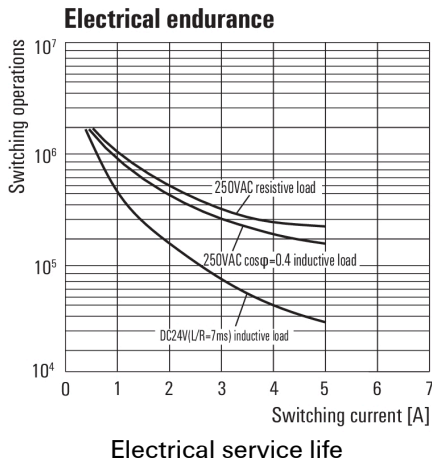
Wiring diagram



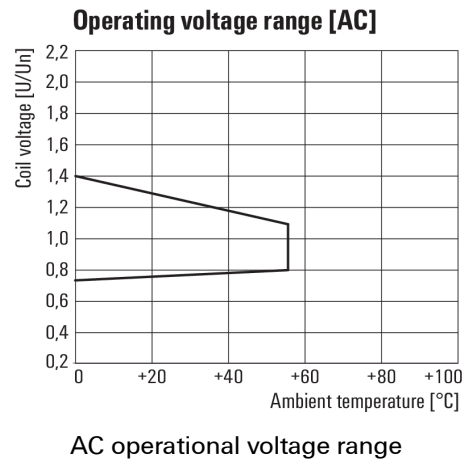
Graph



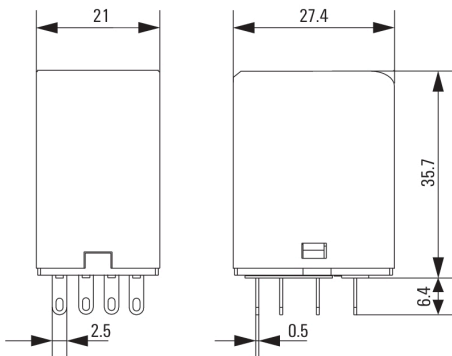
Graph



Graph



Dimensional drawing



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Mating connector (fully pluggable)

Base



Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SCM 4CO P | Version |
| Order No. | 7760056363 | D-SERIES DRM, Relay bases, Number of contacts: 4 CO contact, |
| GTIN (EAN) | 6944169772276 | Continuous current: 6 A, PUSH IN |
| Qty. | 10 pc(s). | |
| Type | FS 4CO | Version |
| Order No. | 7760056107 | D-SERIES DRM, Relay bases, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 4032248855575 | Continuous current: 10 A, Screw connection |
| Qty. | 10 pc(s). | |
| Type | SCM 4CO ECO | Version |
| Order No. | 7760056264 | D-SERIES DRM, Relay bases, Number of contacts: 4 CO contact, |
| GTIN (EAN) | 6944169662973 | Continuous current: 6 A, Screw connection |
| Qty. | 10 pc(s). | |

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Accessories

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 the following manufacturers:

- Siemens
- Télémecanique
- ABB
- Beckhoff
- Lumberg
- Tags for all-purpose usage; self-adhesive or clip-on tags, depending on the type

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.

Please note that these markers are not intended for printing with the SpeedMarking laser.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ESG 6/17 K MC NE WS | Version |
| Order No. | 1880120000 | ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478804 | |
| Qty. | 200 pc(s). | |
| Type | ESG 6/17 K MC NE GE | Version |
| Order No. | 1880110000 | ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478798 | |
| Qty. | 200 pc(s). | |

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Accessories

Base



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- LED / Protective modules
- Metal retaining clips

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SCM 4CO P | Version |
| Order No. | 7760056363 | D-SERIES DRM, Relay bases, Number of contacts: 4 CO contact, |
| GTIN (EAN) | 6944169772276 | Continuous current: 6 A, PUSH IN |
| Qty. | 10 pc(s). | |
| Type | FS 4CO | Version |
| Order No. | 7760056107 | D-SERIES DRM, Relay bases, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 4032248855575 | Continuous current: 10 A, Screw connection |
| Qty. | 10 pc(s). | |
| Type | SCM 4CO ECO | Version |
| Order No. | 7760056264 | D-SERIES DRM, Relay bases, Number of contacts: 4 CO contact, |
| GTIN (EAN) | 6944169662973 | Continuous current: 6 A, Screw connection |
| Qty. | 10 pc(s). | |

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- 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.

Please note that these markers are not intended for printing with the SpeedMarking laser.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ESG 6/15 K MC NE WS | Version |
| Order No. | 1880100000 | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781 | |
| Qty. | 200 pc(s). | |
| Type | ESG 6/15 K MC NE GE | Version |
| Order No. | 1880130000 | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910 | |
| Qty. | 200 pc(s). | |

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Accessories

Retaining clip



Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

General ordering data

| | | |
|------------|----------------------------|------------------------------|
| Type | SCM CLIP P | Version |
| Order No. | 7760056367 | D-SERIES DRM, Retaining clip |
| GTIN (EAN) | 6944169773334 | |
| Qty. | 5 pc(s). | |
| Type | DRM/DRL CLIP M | Version |
| Order No. | 7760056108 | D-SERIES, Retaining clip |
| GTIN (EAN) | 4032248855568 | |
| Qty. | 20 pc(s). | |

LED



Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

General ordering data

| | | |
|------------|----------------------------|---|
| Type | RIM 3 24/60VUC | Version |
| Order No. | 7760056018 | D-SERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248878130 | |
| Qty. | 10 pc(s). | |
| Type | RIM 3 6/24VUC | Version |
| Order No. | 7940018457 | D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection |
| GTIN (EAN) | 4032248878192 | |
| Qty. | 20 pc(s). | |

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Accessories

MultiCard



The Weidmüller device markers enable users to conform to obligatory equipment labelling regulations. Users can label the device markers themselves by means of suitable software and system-compatible printer systems. ESG is the tried-and-tested marker in MultiCard format. The result is high-quality device marking with a high-contrast appearance.

ESG 9/26 SCM ECO MC... for marking D-SERIES DRM relay sockets:

- Attachable MultiCard markers
- Depending on the relay socket it is attachable on up to 4 levels
- Additional option for attaching the marker on plastic retaining clip: SCM CLIP P
- PrintJet printable

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ESG 9/26 SCM ECO MC NE ... | Version |
| Order No. | 1520990000 | ESG, Device markers x 26 mm, PA 66, Colour: yellow |
| GTIN (EAN) | 4050118327861 | |
| Qty. | 80 pc(s). | |
| Type | ESG 9/26 SCM ECO MC SDR | Version |
| Order No. | 1525800000 | ESG, Device markers x 26 mm, PA 66, Colour: To customer specification |
| GTIN (EAN) | 4050118331875 | |
| Qty. | 80 pc(s). | |
| Type | ESG 9/26 SCM ECO MC NE ... | Version |
| Order No. | 1521000000 | ESG, Device markers x 26 mm, PA 66, Colour: grey |
| GTIN (EAN) | 4050118327878 | |
| Qty. | 80 pc(s). | |
| Type | ESG 9/26 SCM ECO MC NE ... | Version |
| Order No. | 1520980000 | ESG, Device markers x 26 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118327939 | |
| Qty. | 80 pc(s). | |

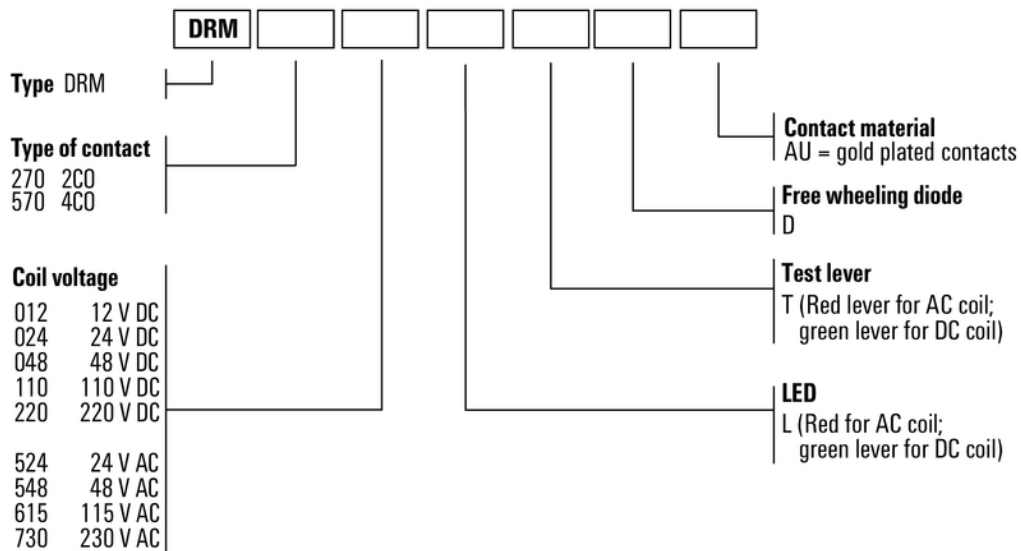
Data sheet

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Drawings

Miscellaneous



Type codes