

**DRM270548****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
- Optional AC or DC coils

**General ordering data**

Version	D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 48 V AC, Continuous current: 10 A, Plug-in connection
Order No.	<a href="#">7760056056</a>
Type	DRM270548
GTIN (EAN)	4032248855995
Qty.	20 pc(s).

Creation date July 24, 2024 7:39:47 PM CEST

Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Depth	35.7 mm	Depth (inches)	1.406 inch
Height	27.4 mm	Height (inches)	1.079 inch
Width	21 mm	Width (inches)	0.827 inch
Net weight	34.6 g		

### Temperatures

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

### Rated data UL

Certificate No. (cURus)	E312083
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### Control side

Rated control voltage	48 V AC	Rated current AC	33.3 mA (50 Hz), 27.8 mA (60 Hz)
Power rating	1.0...1.2VA (60HZ)	Coil resistance	600 $\Omega \pm 10\%$
Coil tolerance	10 %	Status indicator	No

### Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
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 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
	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	$\geq 5.5$ mm
Dielectric strength for control side - load side	1.8 kV <sub>eff</sub> / 1 min.	Dielectric strength of neighbouring contacts	1 kV <sub>eff</sub> / 1 min
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min	Impulse withstand voltage	6 kV (1.2/50 $\mu$ s)
Protection degree	IP20		

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**Technical data****Further details of approvals / standards**

Certificate No. (cURus) E312083

**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
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

**Environmental Product Compliance**

REACH SVHC /

RoHS Compliance Status Compliant without exemption

**Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E312083

**Downloads**

Approval/Certificate/Document of Conformity [EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data [CAD data – STEP](#)

Product Change Notification [20230124 Product consolidation D-SERIES DRM relays](#)  
[20230124 Produktkonsolidierung D-SERIES DRM Relais](#)

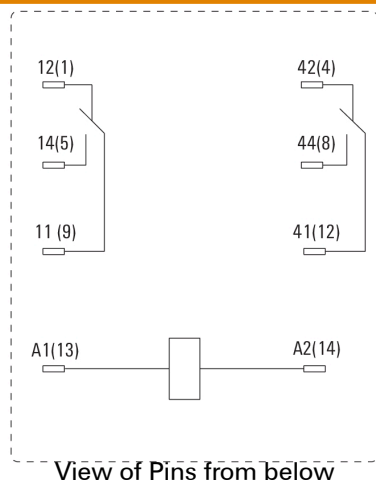
User Documentation [FL\\_D-SERIES\\_DRM2CO\\_LOAD\\_GUIDE](#)

Catalogues [Catalogues in PDF-format](#)

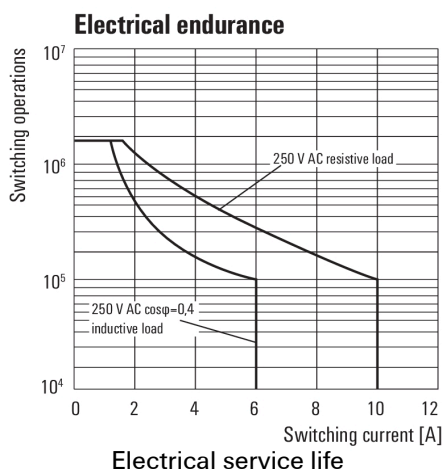
Brochures

## Drawings

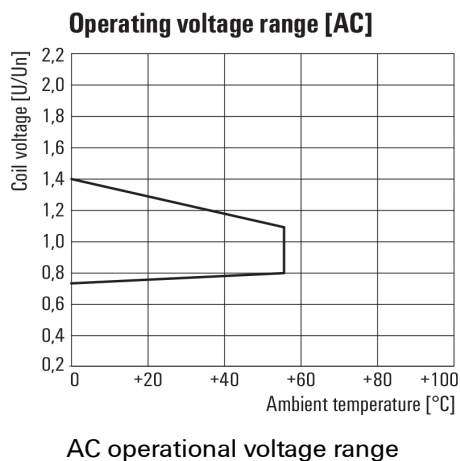
## Wiring diagram



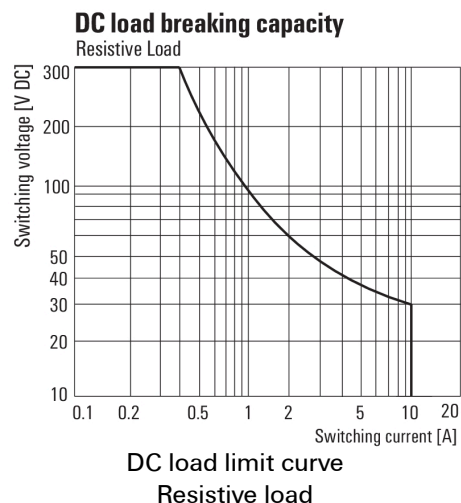
## Graph



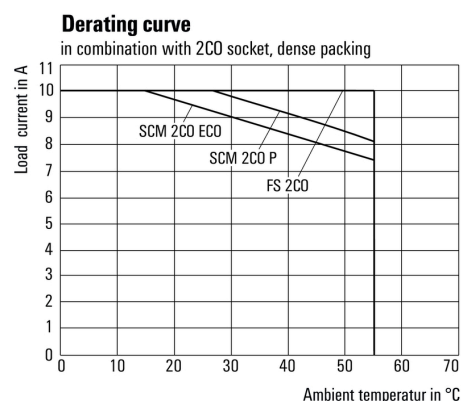
## Graph



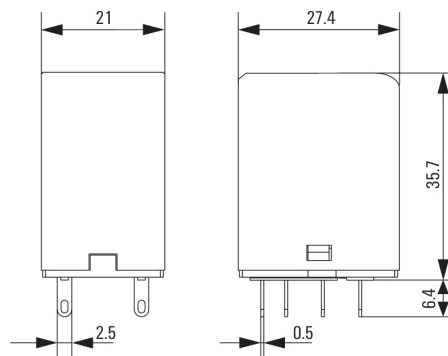
## Graph



## Graph



## Dimensional drawing



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## 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 pc(s).	
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 pc(s).	
Type	SCM 2CO ECO	Version
Order No.	<a href="#">7760056263</a>	D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	6944169662966	Continuous current: 12 A, Screw connection
Qty.	10 pc(s).	
Type	FS 2CO	Version
Order No.	<a href="#">7760056106</a>	D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248855582	Continuous current: 12 A, Screw connection
Qty.	10 pc(s).	
Type	SCM 2CO P	Version
Order No.	<a href="#">7760056362</a>	D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	6944169772269	Continuous current: 12 A, PUSH IN
Qty.	10 pc(s).	
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 pc(s).	

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## Accessories

## 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.	3,000 pc(s).	

## 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.

**General ordering data**

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 pc(s).	
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 pc(s).	

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## General ordering data

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 pc(s).	
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 pc(s).	

## ESG 6/15

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## 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.	3,000 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Retaining clips**

Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

**General ordering data**

Type	SCM CLIP P	Version
Order No.	<a href="#">7760056367</a>	D-SERIES DRM, Retaining clip
GTIN (EAN)	6944169773334	
Qty.	5 pc(s).	

Type	DRM/DRL CLIP M	Version
Order No.	<a href="#">7760056108</a>	D-SERIES, Retaining clip
GTIN (EAN)	4032248855568	
Qty.	10 pc(s).	

**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
GTIN (EAN)	4050118331875	
Qty.	80 pc(s).	



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## Accessories

### LED



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

- With green LED

### General ordering data

Type	RIM 3 24/60VUC	Version
Order No.	<a href="#">7760056018</a>	D-SERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in
GTIN (EAN)	4032248878130	connection
Qty.	10 pc(s).	

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### General ordering data

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
GTIN (EAN)	4050118327878	
Qty.	80 pc(s).	
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
GTIN (EAN)	4050118327939	
Qty.	80 pc(s).	
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
GTIN (EAN)	4050118327861	
Qty.	80 pc(s).	

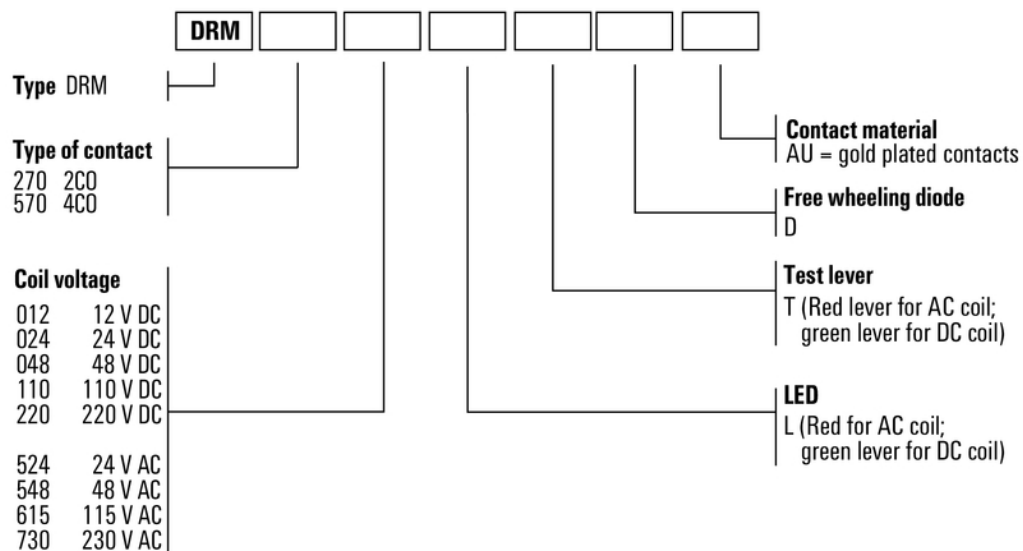
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## Drawings

## Miscellaneous



Type codes