

**DRM570012****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Similar to illustration

Individual relays within the D-SERIES DRM

- 4 CO contacts
- Optional AC or DC coils

**General ordering data**

Version	D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi flash gold-plated, Rated control voltage: 12 V DC, Continuous current: 5 A, Plug-in connection
Order No.	<a href="#">7760056078</a>
Type	DRM570012
GTIN (EAN)	4032248855117
Qty.	20 pc(s).

Creation date March 5, 2024 4:32:06 PM CET

Catalogue status 24.02.2024 / 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	36.2 g		

## Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...60 °C
Humidity	35...85 % rel. humidity, no condensation		

## Rated data UL

Certificate No. (cURus)	E312083
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## Control side

Rated control voltage	12 V DC	Rated current DC	75 mA
Power rating	0.9 W	Coil resistance	160 Ω ± 10 %
Coil tolerance	10 %	Status indicator	No

## Load side

Rated switching voltage	250 V AC	Continuous current	5 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
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	<table border="1"> <tr> <td>Component</td> <td>Relay cover</td> </tr> <tr> <td>UL94 flammability rating</td> <td>V-2</td> </tr> <tr> <td>Component</td> <td>Relay baseplate</td> </tr> <tr> <td>UL94 flammability rating</td> <td>V-0</td> </tr> <tr> <td>Component</td> <td>Relay status indicator</td> </tr> <tr> <td>UL94 flammability rating</td> <td>HB</td> </tr> </table>	Component	Relay cover	UL94 flammability rating	V-2	Component	Relay baseplate	UL94 flammability rating	V-0	Component	Relay status indicator	UL94 flammability rating	HB
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## 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 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 μs)
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

### 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\\_DRM4CO\\_LOAD\\_GUIDE](#)  
 Catalogues [Catalogues in PDF-format](#)  
 Brochures

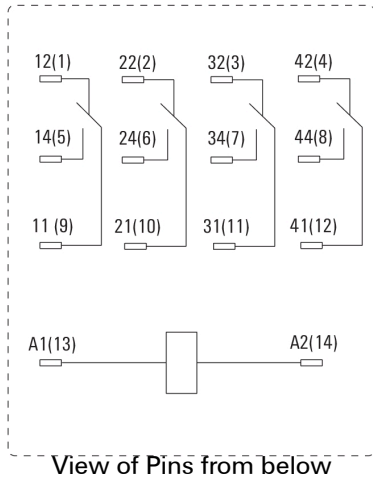
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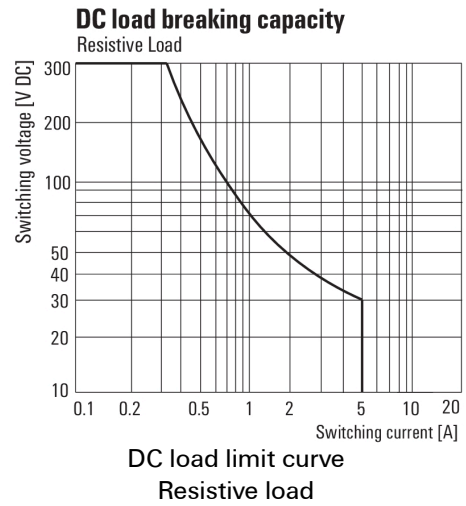
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Drawings

Wiring diagram



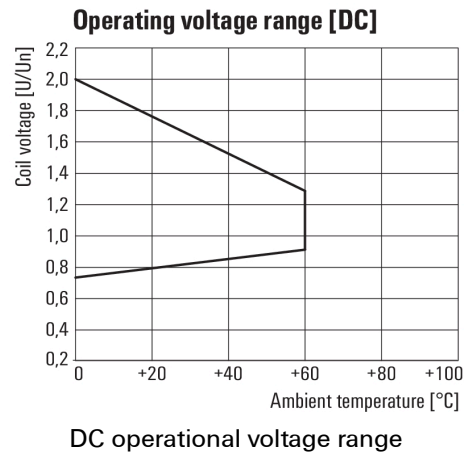
Graph



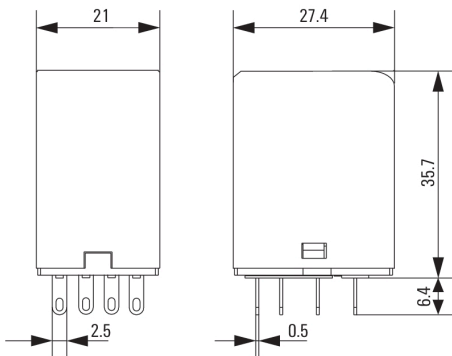
Graph



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	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 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).	
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).	

### LED



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

- With green LED

### General ordering data

Type	RIM 3 6/24VUC	Version
Order No.	<a href="#">7940018457</a>	D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in
GTIN (EAN)	4032248878192	connection
Qty.	10 pc(s).	

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# Accessories

## 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 1 6/230VDC	Version
Order No.	<a href="#">7760056169</a>	D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V, Plug-
GTIN (EAN)	4032248967728	in connection
Qty.	10 pc(s).	

## 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).	

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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 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 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="#">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="#">1520990000</a>	ESG, Device markers x 26 mm, PA 66, Colour: yellow
GTIN (EAN)	4050118327861	
Qty.	80 pc(s).	

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**Accessories**

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

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

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## 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).	

## 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).	

**Data sheet**

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**Accessories**

**LED / free-wheel diode**



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

- With green LED and free-wheeling diode

**General ordering data**

Type	RIM 2 6/24VDC	Version
Order No.	<a href="#">7760056015</a>	D-SERIES, LED module with freewheel diode, Rated control voltage:
GTIN (EAN)	4032248878116	6...24 V DC, Plug-in connection
Qty.	10 pc(s).	

**Data sheet**

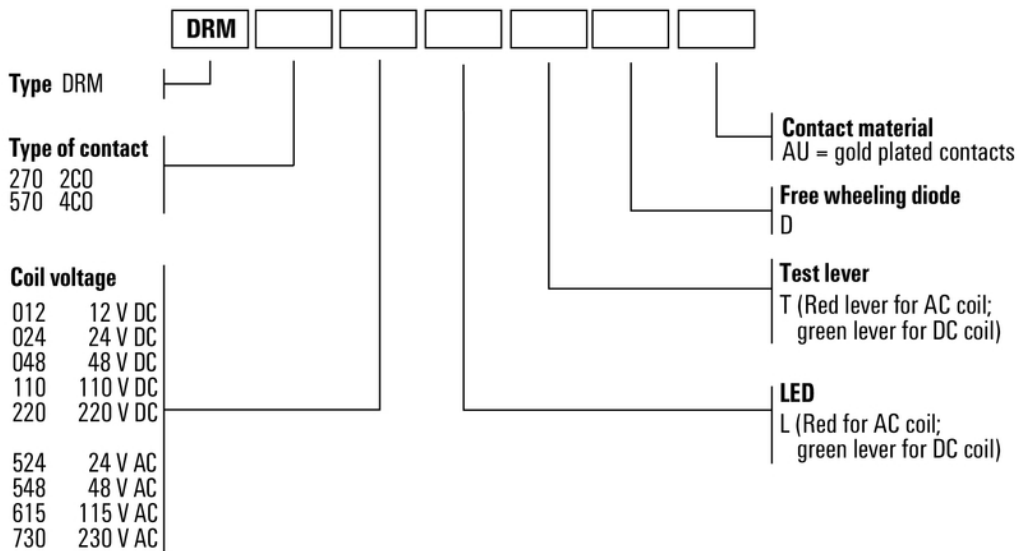
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**Drawings**

**Miscellaneous**



Type codes