

## DRE270024L

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

### Product image



Relay from the D-SERIES DRE.

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

### General ordering data

Version	D-SERIES DRE, Relay, Number of contacts: 2, CO contact, Ag alloy, Rated control voltage: 24 V DC, Continuous current: 5 A, Plug-in connection
Order No.	<a href="#">7760054273</a>
Type	DRE270024L
GTIN (EAN)	6944169719813
Qty.	20 items
Local product	Only available in certain countries

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## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E312083

### General ordering data

Local product Only available in certain countries

### Dimensions and weights

Depth	35.4 mm	Depth (inches)	1.3937 inch
Height	27.2 mm	Height (inches)	1.0709 inch
Width	21 mm	Width (inches)	0.8268 inch
Net weight	35 g		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
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	24 V DC	Rated current DC	36.9 mA
Power rating	0.9 W	Coil resistance	640 Ω ± 10%
Status indicator	Green LED		

### Load side

Rated switching voltage	250 V AC	Continuous current	5 A
Max. switching voltage, AC	250 V	AC switching capacity (resistive), max.	1250 VA
DC switching capacity (resistive), max.	120W @ 24V	Switch-on delay	<20 ms
Switch-off delay	<20 ms	Contact type	2 CO contact (Ag alloy)
Min. switching power	10 mA @ 12 V		

### General data

Test button available	Yes	Version of test button	not lockable
Mechanical switch position indicator	Yes	Colour	Transparent
UL 94 flammability rating	V-2		

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### Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Dielectric strength for control side - load side	2 kVeff / 1 min
Dielectric strength of neighbouring contacts	1 kVeff / 1 min	Protection degree	IP20

### Further details of approvals / standards

Certificate No. (cURus)	E312083
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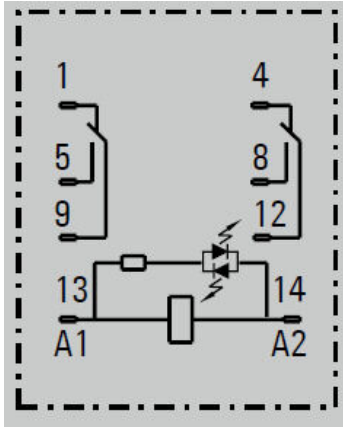
### Connection data

Wire connection method	Plug-in connection
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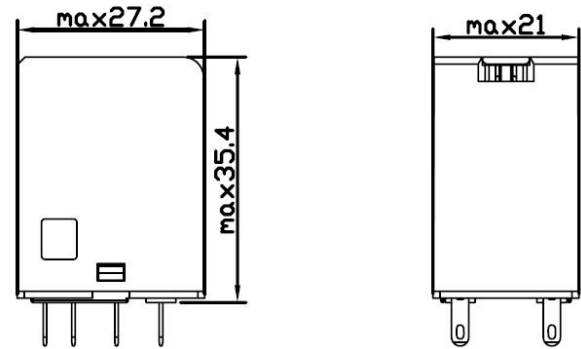
### Classifications

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		

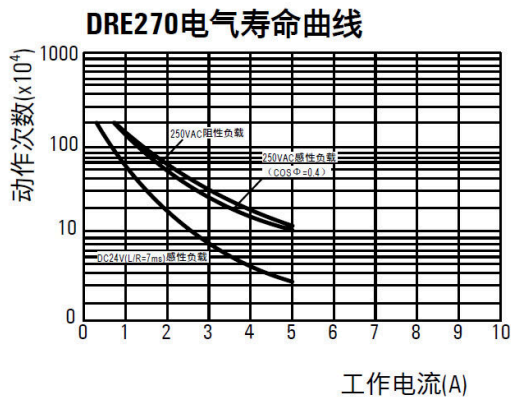
Wiring diagram



Dimensional drawing

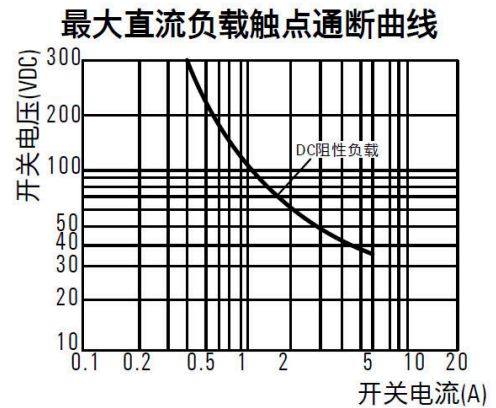


Graph



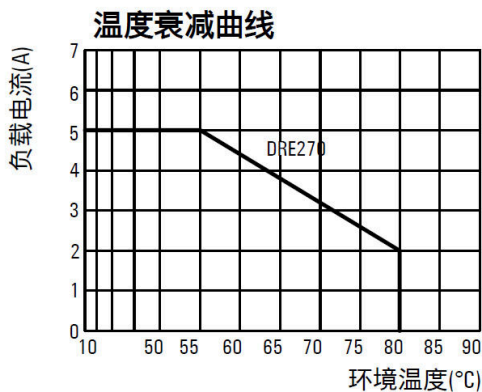
Electrical service life

Graph



DC load limit curve Resistive load

Graph



Derating curve Relay in combination with base

Drawings

Miscellaneous



Type codes

## DRE270024L

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## Accessories

## Sockets



Relay sockets for the D-SERIES DRM relays

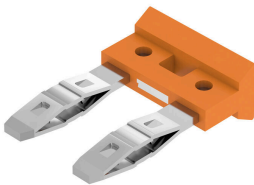
- 2 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

## General ordering data

Type	FS 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 ST	
Type	FS 2CO ECO	Version
Order No.	<a href="#">7760056126</a>	D-SERIES, Relay socket, Number of contacts: 2, CO contact, Screw
GTIN (EAN)	4032248878154	connection
Qty.	10 ST	
Type	FS 2CO RL C	Version
Order No.	<a href="#">7760056385</a>	D-SERIES, Relay socket
GTIN (EAN)	6944169789052	
Qty.	10 ST	
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 ST	
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 ST	

## Cross-connection for socket with PUSH IN connection

Cross-connection for the sockets in the D-SERIES DRM.



## General ordering data

Type	SCM/SDI P CC	Version
Order No.	<a href="#">7760056366</a>	D-SERIES, Cross-connector
GTIN (EAN)	6944169773327	
Qty.	10 ST	

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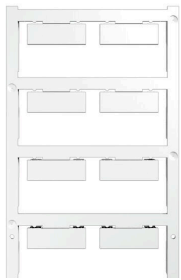
## Accessories

## Marker

## General ordering data

Type	FS MARK	Version	
Order No.	<a href="#">7760056180</a>	D-SERIES, Marking tags	
GTIN (EAN)	4050118071160		
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:

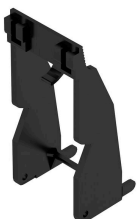
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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.

## 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		

## Retaining clips



Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

## Accessories

### 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		

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## Counterpart

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## 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 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 ST	
Type	FS 2CO ECO	Version
Order No.	<a href="#">7760056126</a>	D-SERIES, Relay socket, Number of contacts: 2, CO contact, Screw
GTIN (EAN)	4032248878154	connection
Qty.	10 ST	
Type	FS 2CO RL C	Version
Order No.	<a href="#">7760056385</a>	D-SERIES, Relay socket
GTIN (EAN)	6944169789052	
Qty.	10 ST	
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 ST	
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 ST	