

DRE270548L

Weidmüller Interface GmbH & Co. KG
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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: 48 V AC, Continuous current: 5 A, Plug-in connection
Order No.	7760054277
Type	DRE270548L
GTIN (EAN)	6944169719851
Qty.	20 items
Local product	Only available in certain countries

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
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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...55 °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
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Control side

Rated control voltage	48 V AC	Rated current DC	33.3mA/27.8mA
Power rating	1.0...1.2VA (60HZ)	Coil resistance	640 Ω ± 10%
Status indicator	red 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		

Technical data

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

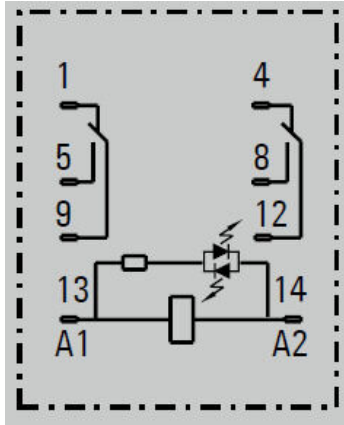
Wire connection method	Plug-in connection
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Classifications

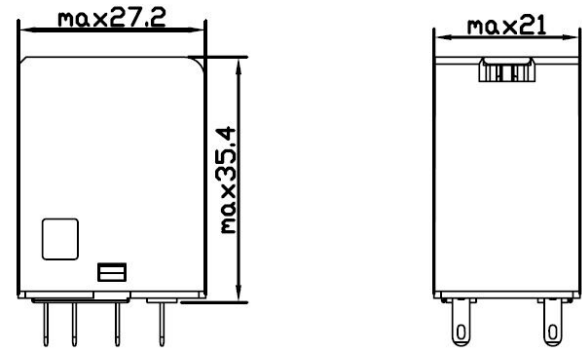
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

Drawings

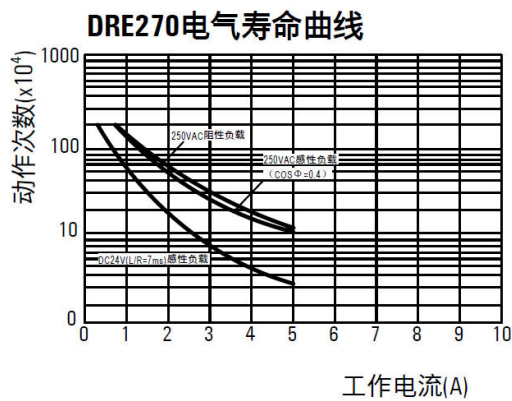
Wiring diagram



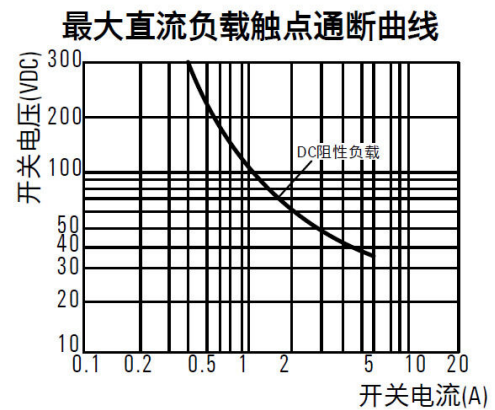
Dimensional drawing



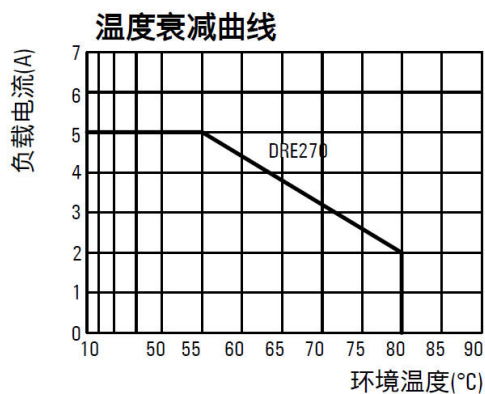
Graph



Graph



Graph



Miscellaneous

型号说明	DRE				
型号 DRE					
触点类型	270 2对转换触点				
线圈代码	012 12Vdc / 110 110Vdc 024 24Vdc / 048 48Vdc 524 24Vac / 548 48Vac 615 115Vac / 730 230Vac				
带指示灯	L(交流线圈使用红色,直流线圈使用绿色)				
带保护二级管	D				

Type codes

Accessories

Sockets



Relay sockets for the D-SERIES DRM relays

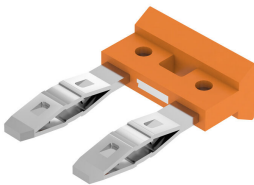
- 2 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Type	FS 2CO	Version
Order No.	7760056106	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.	7760056126	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.	7760056385	D-SERIES, Relay socket
GTIN (EAN)	6944169789052	
Qty.	10 ST	
Type	SCM 2CO ECO	Version
Order No.	7760056263	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.	7760056362	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.	7760056366	D-SERIES, Cross-connector
GTIN (EAN)	6944169773327	
Qty.	10 ST	

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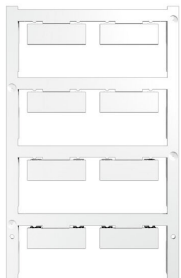
Accessories

Marker

General ordering data

Type	FS MARK	Version
Order No.	7760056180	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:

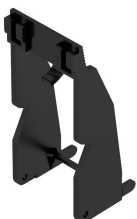
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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.	1520980000	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.	7760056108	D-SERIES, Retaining clip
GTIN (EAN)	4032248855568	
Qty.	10 ST	
Type	SCM CLIP P	Version
Order No.	7760056367	D-SERIES DRM, Retaining clip
GTIN (EAN)	6944169773334	
Qty.	5 ST	

Counterpart

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

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Order No.	7760056106	D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248855582	Continuous current: 12 A, Screw connection
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Order No.	7760056126	D-SERIES, Relay socket, Number of contacts: 2, CO contact, Screw
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Qty.	10 ST	
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