

**DRM570024LT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Individual relays within the D-SERIES DRM

- 4 CO contacts
- AC coils
- With integrated status LED and test button

**General ordering data**

Version	D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi flash gold-plated, Rated control voltage: 24 V DC, Continuous current: 5 A, Plug-in connection
Order No.	<a href="#">7760056097</a>
Type	DRM570024LT
GTIN (EAN)	4032248855674
Qty.	20 pc(s).

Creation date September 5, 2023 4:00:15 PM CEST

Catalogue status 01.09.2023 / 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	33.836 g		

### Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...60 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	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	24 V DC	Rated current DC	37.8 mA
Power rating	0.9 W	Pull-in/drop-out voltage, typ.	18 V / 2.4 V DC
Coil resistance	630 Ω ± 10 %	Coil tolerance	10 %
Status indicator	Green LED		

### Load side

Rated switching voltage	250 V AC	Continuous current	5 A
Max. switching frequency at rated load	0.1 Hz	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	Yes		
Version of test button	Lockable test button, Momentary test button		
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	
	Component	Relay test button	
	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		

## 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	27371601

## Environmental Product Compliance

REACH SVHC Lead 7439-92-1

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E312083

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">Zuken E3.S</a>
Product Change Notification	<a href="#">20230124 Product consolidation D-SERIES DRM relays</a> <a href="#">20230124 Produktkonsolidierung D-SERIES DRM Relais</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

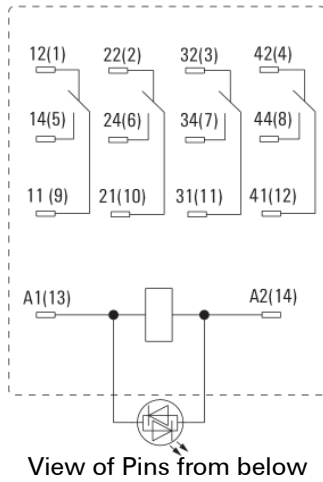
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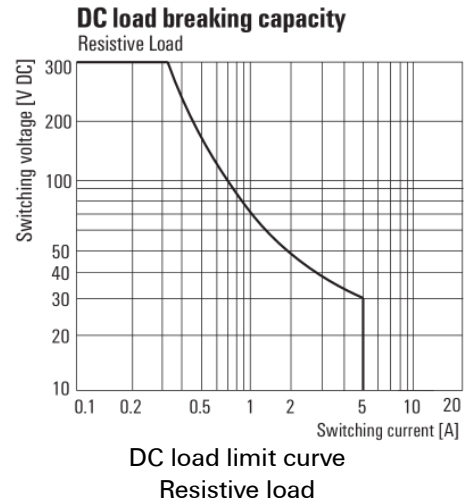
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**Drawings**

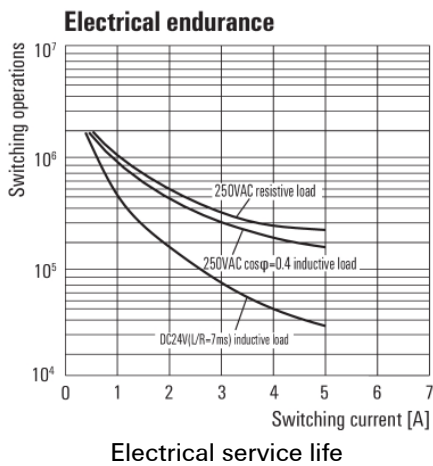
**Wiring diagram**



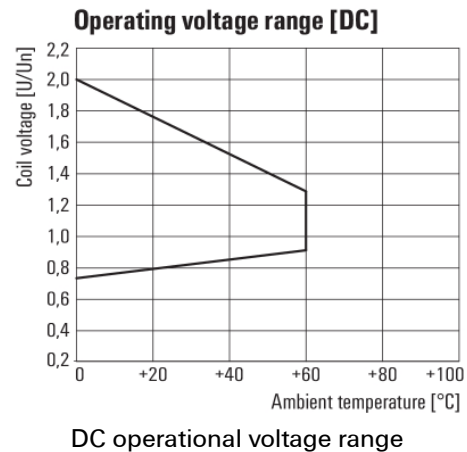
**Graph**



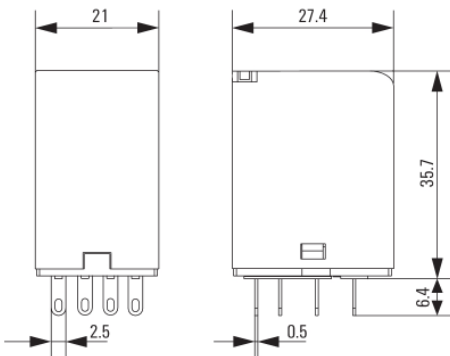
**Graph**



**Graph**



**Dimensional drawing**



**Data sheet**

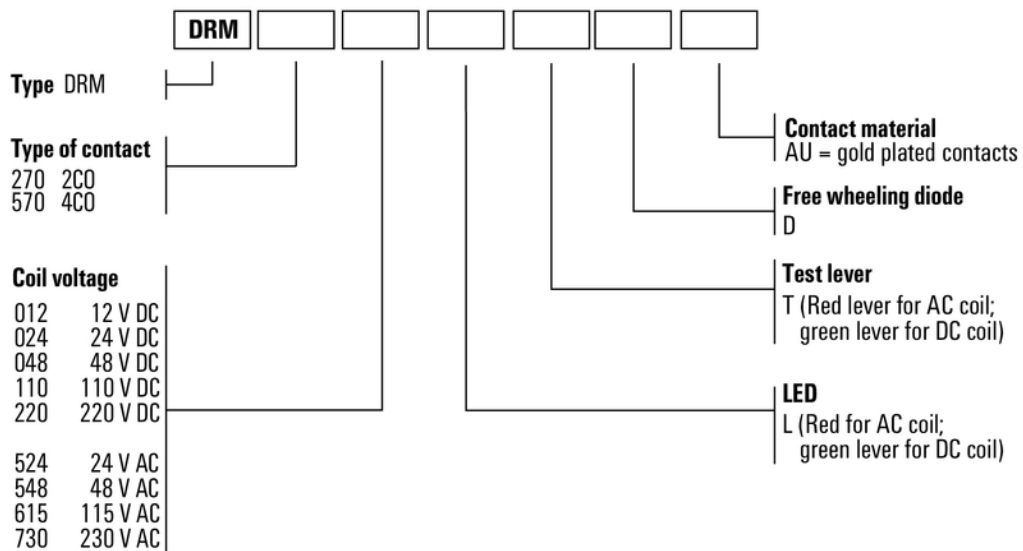
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**Drawings**

**Miscellaneous**



Type codes