

## DRM270048L

**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

- 2 CO contacts
- AC coils
- With integrated status LED

### General ordering data

Version	D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 48 V DC, Continuous current: 10 A, Plug-in connection
Order No.	<a href="#">7760056061</a>
Type	DRM270048L
GTIN (EAN)	4032248855940
Qty.	20 Stück

Erstellungs-Datum June 1, 2023 10:59:12 AM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### 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	34.3 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	48 V DC	Rated current DC	18.5 mA
Power rating	0.9 W	Pull-in/drop-out voltage, typ.	36 V / 4.8 V DC
Coil resistance	2600 Ω ± 10 %	Coil tolerance	10 %
Status indicator	Green LED		

### Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	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	≥ 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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## Technische Daten

### 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	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

### Environmental Product Compliance

REACH SVHC Lead 7439-92-1

### Approvals

Approvals



ROHS Conform

UL File Number Search UL Website

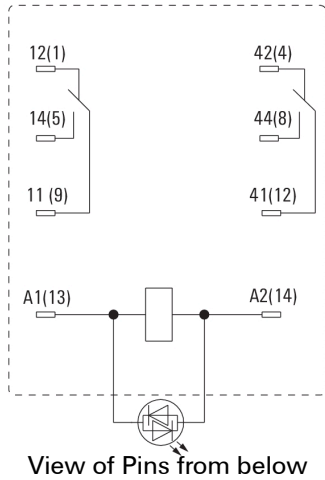
Certificate No. (cURus) E312083

### Downloads

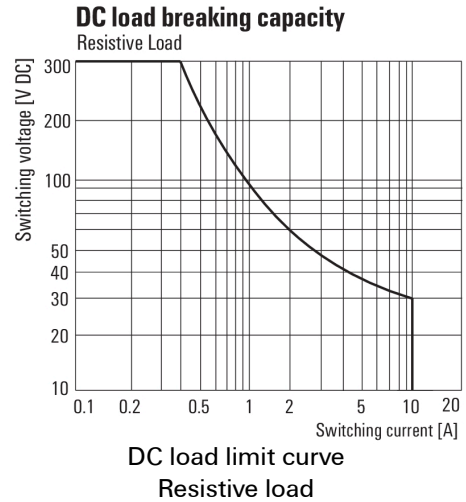
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, EPLAN</a>
Product Change Notification	<a href="#">20230124 Product consolidation D-SERIES DRM relays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

Zeichnungen

Wiring diagram



Graph



Graph



Graph



Graph



Dimensional drawing



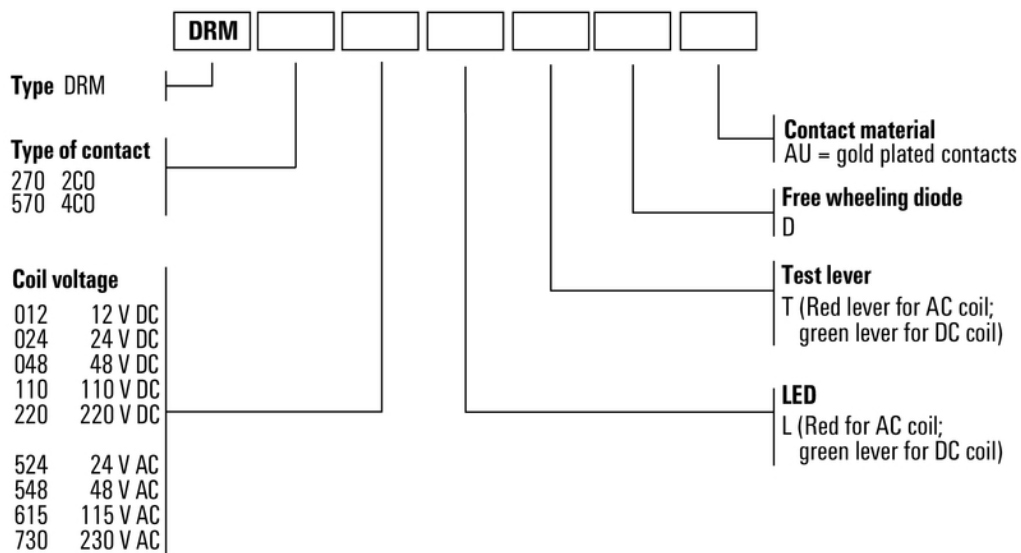
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## Zeichnungen

### Miscellaneous



Type codes