

DRM270012L**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: 12 V DC, Continuous current: 10 A, Plug-in connection
Order No.	7760056059
Type	DRM270012L
GTIN (EAN)	4032248855964
Qty.	20 pc(s).

Creation date March 29, 2021 8:42:59 PM CEST

Catalogue status 12.03.2021 / 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
Net weight	35.3 g	Width	21 mm
Width (inches)	0.827 inch		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E312083
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Control side

Coil resistance	160 $\Omega \pm 10\%$	Power rating	0.9 W
Pull-in/drop-out voltage, typ.	9 V / 1.2 V DC	Rated control voltage	12 V DC
Rated current DC	75 mA	Status indicator	Green LED

Load side

AC switching capacity (resistive), max.	2500 VA	Continuous current	10 A
DC switching capacity (resistive), max.	240 W @ 24 V	Inrush current	20 A / 50 ms
Max. switching frequency at rated load	0.1 Hz	Min. switching power	10 mA @ 12 V, 100 mA @ 5 V
Rated switching voltage	250 V AC	Switch-off delay	≤ 20 ms
Switch-on delay	≤ 20 ms		

Contact data

Contact type	2 CO contact (AgNi flash gold-plated)	Contact resistance	≤ 50 m Ω
Mechanical service life	20 x 10 ⁶ switching cycles		

General data

Test button	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	

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Insulation coordination

Creepage and clearance distance input – output	$\geq 5.5 \text{ mm}$	Dielectric strength of neighbouring contacts	$1 \text{ kV}_{\text{eff}} / 1 \text{ min}$
Dielectric strength of open contact	$1 \text{ kV}_{\text{eff}} / 1 \text{ min}$	Dielectric strength, Input/Output	$1.8 \text{ kV}_{\text{eff}} / 1 \text{ min.}$
Impulse withstand voltage	6 kV (1.2/50 μs)	Pollution severity	2
Protection degree	IP20	Rated voltage	250 V
Surge voltage category	III		

Further details of approvals / standards

Standards	IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011, UL 508	Certificate No. (cURus)	E312083
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Connection data

Wire connection method	Plug-in connection
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E312083

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

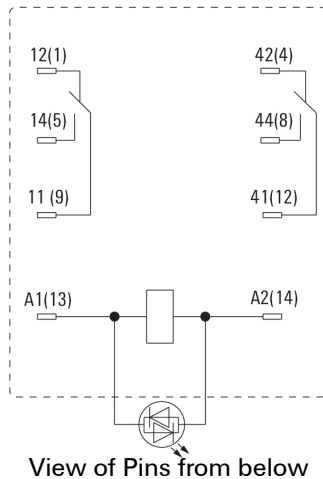
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Drawings

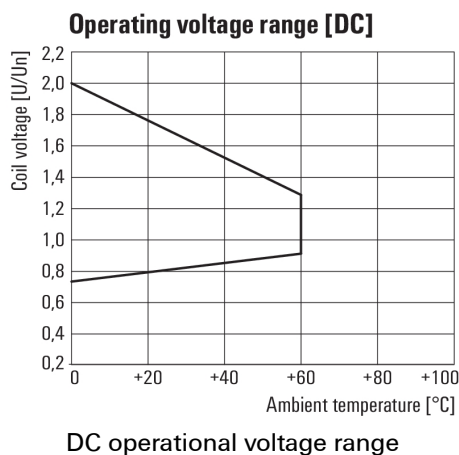
Wiring diagram



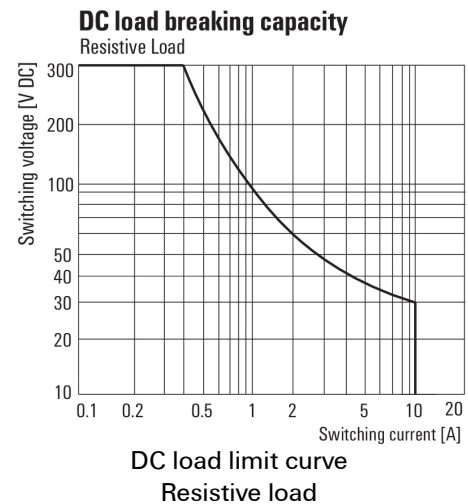
Graph



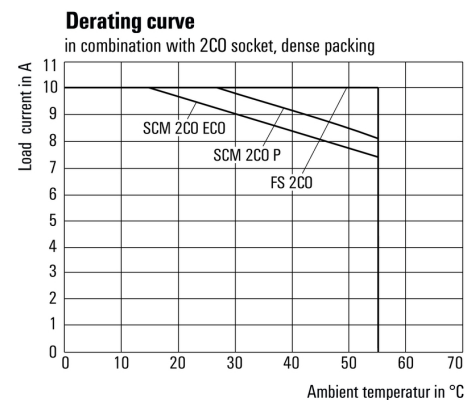
Graph



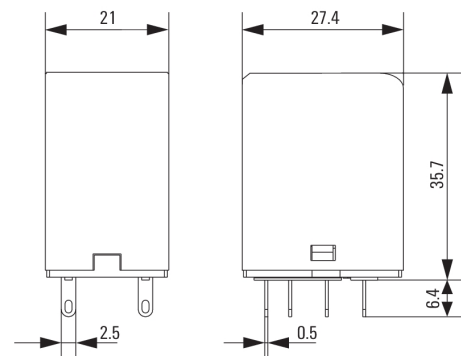
Graph



Graph



Derating curve Relay in combination with base Dimensional drawing



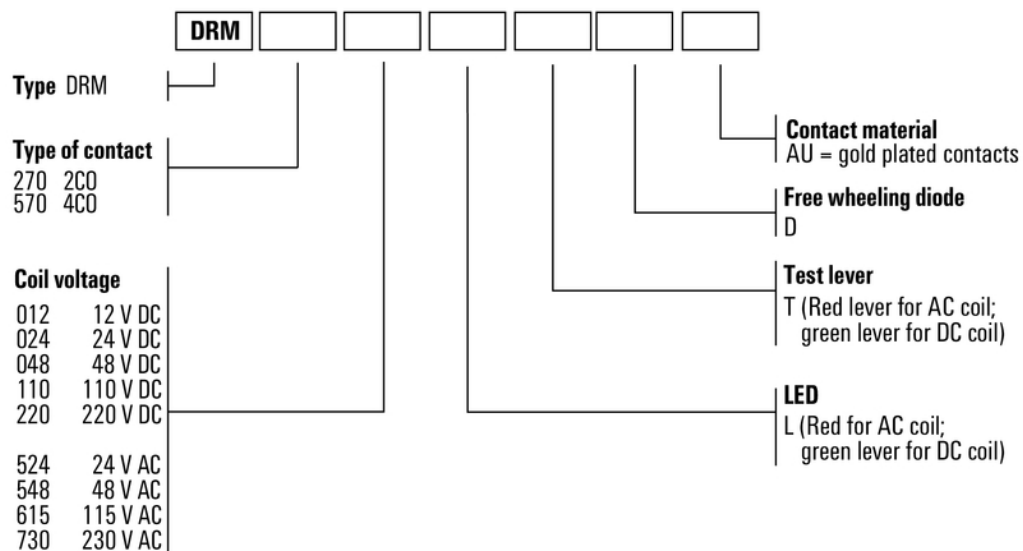
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Drawings

Miscellaneous



Type codes