

DRM270024L**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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info@weidmueller.com

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: 24 V DC, Continuous current: 10 A, Plug-in connection
Order No.	7760056060
Type	DRM270024L
GTIN (EAN)	4032248855957
Qty.	20 pc(s).

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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	33.38 g		

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

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	650 $\Omega \pm 10 \%$	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 ⁶ 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

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Insulation coordination

Rated voltage	250 V	Pollution severity	www.weidmueller.com
Surge voltage category	III	Insulating material group	C
Clearance and creepage distances for control side - load side	≥ 5.5 mm	Dielectric strength for control side - load side	1.8 kV _{eff} / 1 min.
Dielectric strength of neighbouring contacts	1 kV _{eff} / 1 min	Dielectric strength of open contact	1 kV _{eff} / 1 min
Impulse withstand voltage	6 kV (1.2/50 µs)	Protection degree	IP20

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
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

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	

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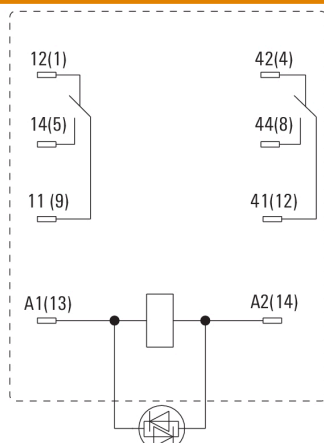
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Drawings

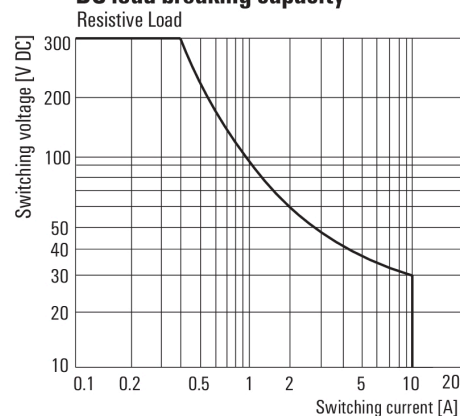
Wiring diagram



View of Pins from below

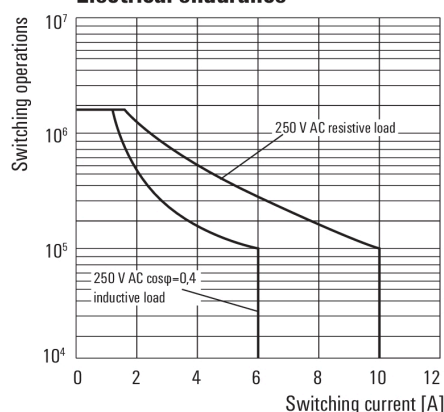
Graph

DC load breaking capacity

DC load limit curve
Resistive load

Graph

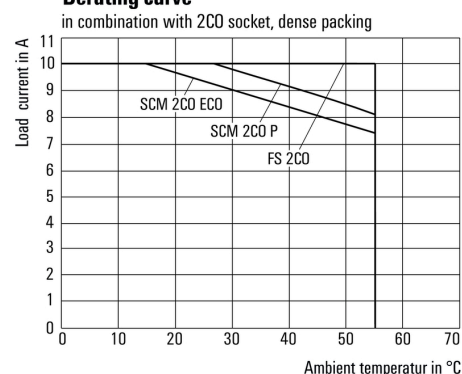
Electrical endurance



Electrical service life

Graph

Derating curve

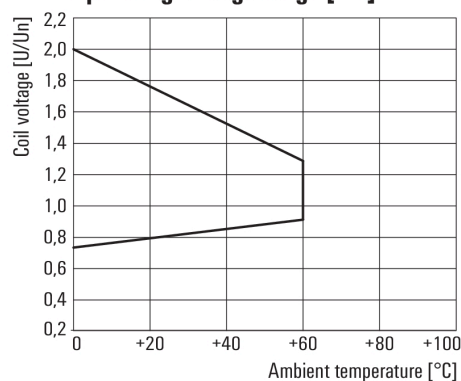


Derating curve

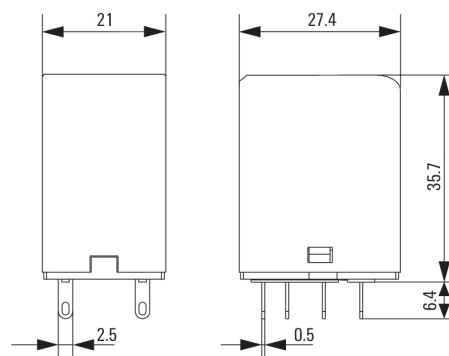
Relay in combination with base

Dimensional drawing

Operating voltage range [DC]



DC operational voltage range



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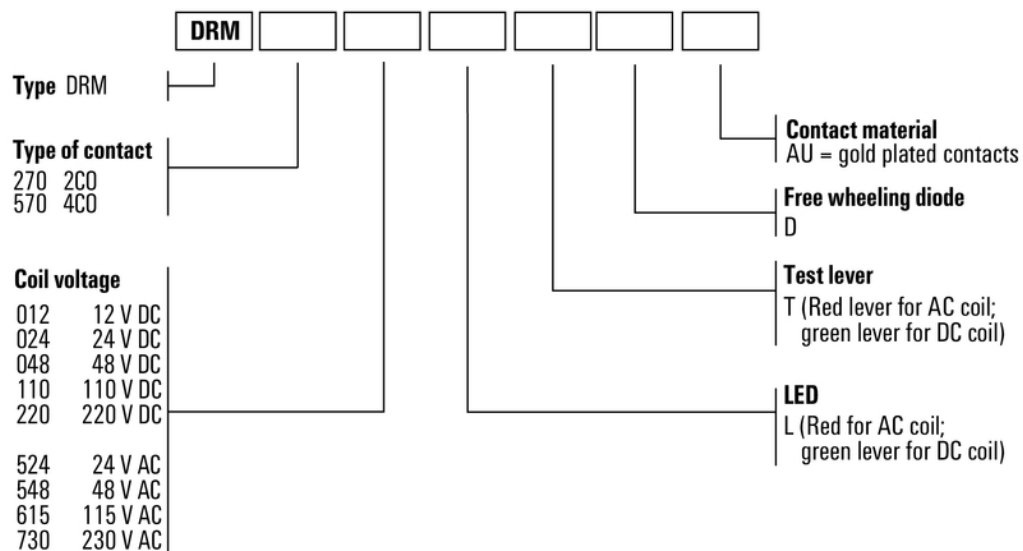
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Drawings**Miscellaneous**

Type codes